



US EPA RECORDS CENTER REGION 5



421801

CONSTRUCTION COMPLETION REPORT SOIL REMEDIAL ACTION

WAUKEGAN MANUFACTURED GAS & COKE PLANT SITE
WAUKEGAN, ILLINOIS

SEPTEMBER 2006

REF. NO. 019023 (16)

This report is printed on recycled paper.

Prepared by:
Conestoga-Rovers
& Associates

651 Colby Drive
Waterloo, Ontario
Canada N2V 1C2

Office: 519•884•0510
Fax: 519•884•0525



CONESTOGA-ROVERS
& ASSOCIATES

651 Colby Drive, Waterloo, Ontario, Canada N2V 1C2
Telephone: 519-884-0510 Facsimile: 519-884-0525
www.CRAworld.com

September 25, 2006

Reference No. 019023-84

Mr. Kevin Adler
United States Environmental Protection Agency
Region V, 77 West Jackson Boulevard
Chicago, IL 60604-3590

Dear Mr. Adler:

Re: Responses to Comments
Construction Completion Report
Soil Remedial Action
Waukegan Manufactured Gas and Coke Plant Site

This letter provides a response to USEPA comments on the January 31, 2006 Construction Completion Report Soil Remedial Action. A revised report is distributed with this letter.

USEPA Comment No. 1

The report could be enhanced through the addition of site photographs including work in progress, hazards encountered, and so forth.

CRA Response No. 1

Photographs have been added in Appendix N.

USEPA Comment No. 2

The report could be enhanced by placing a "Lessons Learned" section into the text. Example topics could include excavation during the winter to avoid high volatilization rates, and health and safety considerations

CRA Response No. 2

The "Lessons Learned" concept is not appropriate to this project. Excavation during winter was planned to avoid warm weather volatilization and therefore, is not a "lesson learned". Health and Safety has always been an important consideration as demonstrated by the Health and Safety Plan.

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USEPA Comment No. 3

Section 1—Introduction, page 1

The objective of this report should be stated in this section.

CRA Response No. 3

A new Section 1.2 "Report Objective" has been added.

USEPA Comment No. 4

Section 1.1.4—Marginal Zone, page 3

The second to last sentence should be revised to read, "The Marginal Zone encompasses the area of the site associated with PAH and arsenic concentrations between 1.0×10^{-5} and 1.0×10^{-6} excess carcinogenic risk, ..."

CRA Response No. 4

The requested change has been made.

USEPA Comment No. 5

Section 1.1.5—Institutional Controls, page 4

The second to last sentence indicates the Soils Management Plan will be submitted after completion of the soil remedy. This sentence should be modified as this report represents the completion of the soil remedy.

CRA Response No. 5

The sentence has been modified to indicate that the Soils Management Plan will be presented under separate cover.

USEPA Comment No. 6

Section 3.4—USEPA Oversight, second paragraph, page 6



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Reference No. 019023-84

Construction progress meetings are referenced, but there is no summary of the dates these meetings were held or the team affiliations/representatives that were in attendance. The pre-final and final inspections are noted in Section 9.

CRA Response No. 6

A discussion of construction progress meetings has been added to Section 9.

USEPA Comment No. 7

Section 3.7—Remedial Contractor/Subcontractors, pages 8 and 9

The contractual relationship between Severson Environmental Services, Inc. (SES) to the Performing Settling Defendants, Remedial Design Engineer (Barr Engineering), or Conestoga-Rovers & Associates (CRA) is not specified.

In addition, the list of subcontractors does not include TerraTrace Environmental Services, which performed well abandonment. This subcontractor is mentioned in Section 7.2.

CRA Response No. 7

The text has been modified to identify that SES was under contract to the Performing Settling Defendants. TerraTrace Environmental Services is recognized as a subcontractor.

USEPA Comment No. 8

Section 4—Performance Standards and Construction Quality Control

Section 6.4, Marginal Zone Soil Cover in the Construction Quality Assurance Plan and Performance Standard Verification Plan, indicates that the survey data to verify the soil cover thickness, a comparison table with subgrade and final grade elevations, and soil cover as-built drawings will be included as part of the final report.

CRA Response No. 8

A new section 4.2.5 "Marginal Zone Soil Cover" has been added.

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Reference No. 019023-84

USEPA Comment No. 9

Section 4.2.2—TASP Sampling, page 11

The description of Category 2 soils and Category 3 classification in the first paragraph is incomplete. This section should explain that the Final Design Report specifies visually un-impacted material will be classified as Category 3a and Category 3b, and the rationale for using 'Category 3' to stand for material specified in the Final Design Report as Category 3a and for not using Category 3b. This change is briefly mentioned in Section 7.10.

The last paragraph of this section provides a list of the Category 2 TASP analyses; however, toxicity characteristic leaching procedure (TCLP) semivolatile organic compounds (SVOCs) were not included as indicated by the Construction Quality Assurance Plan and Performance Standard Verification Plan and Table 4.2.

In addition, this section does not discuss the DSS material or ARZ soils.

CRA Response No. 9

The requested explanation has been added to the text. The TCLP SVOC parameter list has been added to the Category 2 TASP description. The Category 2 TASP description has been expanded to include DSS material and ARZ soils.

USEPA Comment No. 10

Section 4.2.4—Compaction Testing, page 13

This section should describe how the fill material was placed in lifts, compacted, and tested, and include a general description of lift thickness

CRA Response No. 10

The requested description has been added.

USEPA Comment No. 11

Section 4.25—Treated Water, second sentence, page 13

Please clarify what is meant by "...the site was managed in such a way that stockpile runoff was returned to the excavations."



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Reference No. 019023-84

CRA Response No. 11

Clarification has been added.

USEPA Comment No. 12

Section 4.2.6—Air Monitoring, page 13

Water was used for fugitive dust suppression due to dust from heavy truck travel on site gravel roads and during concrete crushing. Some workers wore particulate masks during these activities.

CRA Response No. 12

A description of dust suppression has been added to Section 7.8.

USEPA Comment No. 13

Section 5.4—Incident Report, page 16

The description of changes to operations after the accident investigation should also mention modifications in procedures (such as wearing traffic vests and equipment operations) that were implemented to improve worker safety.

CRA Response No. 13

A description has been added to the text.

USEPA Comment No. 14

Section 7.2—Abandon Monitoring Wells, third paragraph, page 18

Cement-bentonite grout and bentonite chips were also used to abandon wells.

CRA Response No. 14

The Well Sealing Forms do not indicate that bentonite chips were used during well closure.



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Reference No. 019023-84

USEPA Comment No. 15

Section 7.5—Demolition of Data Management Building and Office Building

Soil samples (and split samples collected by the City of Waukegan) were collected after demolition of the buildings was complete to verify soil was not impacted above site criteria.

CRA Response No. 15

Soil samples collected from beneath the demolished buildings have been identified in the text.

USEPA Comment No. 16

Section 7.6—Soil Remedial Action, page 21

Free product was identified at multiple locations on standing water within the excavation. This material was managed with absorbent booms and with earthen berms.

CRA Response No. 16

A description has been added to Section 7.6.

USEPA Comment No. 17

Section 7.6.2—Soil Sampling and Testing (or possibly Section 7.6.1)

Additional excavation was also completed when sidewalls had observed tarry or flowing oily material. In these instances, excavation continued until no additional tarry or flowing oily material remained.

Please revise the last sentence of this section (page 23) to indicate that Figure 4.1 also presents the final excavation limits.

CRA Response No. 17

Section 7.6.2 has been modified to describe additional excavation.

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Reference No. 019023-84

USEPA Comment No. 18

Section 7.6.5—Debris and Process Vessel Disposal

Some concrete foundations within the excavation were demolished at the request of the City of Waukegan. Observer notes indicate this concrete was crushed and used as fill. This observation seems to be in conflict with the statement in paragraph two. See comment on Section 7.10.

Manifests are in Appendix M.

CRA Response No. 18

Text has been added to Section 7.6.5 to indicate that the City of Waukegan cleaned and crushed concrete foundations in situ.

USEPA Comment No. 19

Section 7.7.1—Granular Fill Material, page 26

The last two sentences of the first paragraph of the page are incomplete.

Appendix N was not provided.

CRA Response No. 19

The correct reference is Appendix C.

USEPA Comment No. 20

Section 7.7.2—Common Fill Layer, page 26

Appendix N was not provided.

CRA Response No. 20

As above, the correct reference is Appendix C.



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Reference No. 019023-84

USEPA Comment No. 21

Section 7.7.3—Compaction Testing, page 26

Appendix O was not provided.

CRA Response No. 21

The correct reference is Appendix D.

USEPA Comment No. 22

Section 7.7.4—Topsoil Layer, page 27

Appendix N was not provided.

CRA Response No. 22

As in comments 19 and 20, the correct reference is Appendix C.

USEPA Comment No. 23

Section 7.8—Air Monitoring, page 28

The third full paragraph indicates that there were no occurrences of degraded ambient air quality greater than the benzene action level throughout the project; however, Section 4.2.6 indicates that benzene monitoring was discontinued after the first week.

CRA Response No. 23

The text has been amended to indicate that benzene was monitored daily for 2 weeks and then deleted from the program.

USEPA Comment No. 24

Section 7.9—Meteorological Monitoring, page 28

Appendix P was not provided.



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Reference No. 019023-84

CRA Response No. 24

The correct reference is Appendix E.

USEPA Comment No. 25

Section 7.10—Changes to Original Scope of Work, page 29

The following should also be added as changes:

Changes in site water management practices and site conditions resulted in no onsite treatment of water or other liquids during soil removal activities.

Dredge spoil fill was analyzed at the request of the City of Waukegan.

Concrete foundations in the excavated area were removed at the request of the City of Waukegan. Foundations were demolished, crushed, and used as fill. Portions of this observation are in conflict with statements in the first and second paragraphs of Section 7.6.5 and needs to be resolved.

Chemical control of invasive weeds was used prior to planting the vegetative cover (referenced in Section 7.7.5).

CRA Response No. 25

The additional changes to the scope of work have been added except those related to the concrete foundations. Removal of the concrete foundations was a City of Waukegan project.

USEPA Comment No. 26

Figure 4.1

The excavation limits should be identified and included in the legend.

CRA Response No. 26

Figure 4.1 has been updated to illustrate the excavation limit.

If you have any questions regarding this matter, please do not hesitate to contact us.



**CONESTOGA-ROVERS
& ASSOCIATES**

September 25, 2006

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Reference No. 019023-84

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

for Alan Van Norman

AVN/cb/87

Encl.

c.c.: Armstrong, Stephen - Ungaretti & Harris
Campbell, Jim - EMI
Keiser, Jewel - CH₂M Hill
Langseth, Jim - Barr
Matuszak, Steve - Peoples Energy
Maynard, Jerome - Dykema-Gossett

McKenna, Elizabeth - CH₂M Hill
Milner, Larry - Burns & McDonnell
Rednour, Erin - IEPA
Smith, Phil - CH₂M Hill
Tennenbaum, Susan - USEPA
Sullivan, Julie - Barr



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1.0 INTRODUCTION

This document is the "Completion of Construction Report" for the soil remedial action at the Waukegan Manufactured Gas and Coke Plant Site, which is Operable Unit 2 of the Outboard Marine Corporation Superfund Site (Site) located in Waukegan, Illinois. The objective of this report is to document the remedial action activities that occurred during the soil remedial action activities at the Site. The Site location is presented on Figure 1.1. A Site Plan is presented on Figure 1.2.

The remedial action is being completed by the Performing Settling Defendants under a Remedial Action Consent Decree with the United States Environmental Protection Agency (USEPA) and the Illinois Environmental Protection Agency (IEPA).

The soil remedial action is described in the "Final Design Report, Soil Operable Unit, Waukegan Manufactured Gas and Coke Plant Site, Waukegan, Illinois, February 2004". The soil remedial action was designed in accordance with the requirements of the Remedial Design Consent Order Administrative Order on Consent, U.S. EPA Docket No. V-W-'01-C-651 (RDAOC) Scope of Work, Task 4C. The final design was prepared by Barr Engineering Company. Conestoga-Rovers & Associates provided construction management oversight and prepared this report. Severson Environmental Services completed the construction. The soil remedy was completed in accordance with the Remedial Action Consent Decree, Scope of Work Part IV (e).

1.1 SOIL REMEDIAL ACTION GOALS AND OBJECTIVES

The selected remedy presented in the September 1999 ROD includes: Vadose Zone Soil Remedial Components (Soil Operable Unit) and Groundwater Remedial Components (Groundwater Operable Unit). The soil remedy consists of five components; the PAH Remediation Zone, the Arsenic Remediation Zone, the Marginal Zone, Institutional Controls, and a Soils Management Plan. Each soil remedy component is summarized in this Section. The remediation zones are presented on the drawings in Appendix A. The Groundwater Remedial Design will be presented in a separate document in accordance with the Groundwater Remedial Design schedule.

The ROD presents three Remedial Action Objectives for the contaminated soils:

- Protect human health and the environment by reducing or eliminating exposure (direct contact, ingestion, inhalation) to soil with a concentration of contaminants

representing an excess cancer risk of greater than 1×10^{-6} as a point of departure and a hazard index (HI) greater than 1 for reasonably anticipated future land scenarios;

- Protect the environment by minimizing/eliminating the migration of contaminants in the soil to groundwater or to surrounding surface water bodies; and
- Ensure future beneficial commercial/industrial use of the site.

The ROD states that the "basis and rationale for the soils remediation objectives is protection of reasonable future uses. This includes industrial, commercial, and utility worker protection" (Page 13). The ROD states, in the "Future Site Use" portion of Summary of Site Characteristics section, that "based on current zoning requirements, discussions with Site owners, past operators, nearby businesses, the Illinois EPA and the community, U.S. EPA reasonably anticipates that the future use of the Site will be restricted to the current (and historical) use of industrial and commercial. Although a residential scenario was assessed in the Baseline Risk Assessment, it was done for comparison purposes only and is not considered an appropriate future use." The Remedial Design is consistent with these objectives and land use restrictions.

After the ROD was issued in September 1999, the Performing Settling Defendants evaluated newly emerging issues related to vapor-intrusion risk at Superfund Sites and updated toxicity factors for constituents of concern. The Performing Settling Defendants requested that Barr Engineering evaluate the potential for vapor-intrusion at the Site under the commercial-industrial future land use scenario and update cleanup levels using new toxicity factors. This evaluation resulted in a reduction of the cleanup levels for arsenic and naphthalene. The revised cleanup levels were formalized in an EPA Superfund Explanation of Significant Differences, dated September 28, 2004. The revised Cleanup levels are presented on Table 1.1.

1.1.1 PAH REMEDIATION ZONE

The PAH Remediation Zone (PRZ) consisted of areas of tar and tar-saturated soil, and PAH-contaminated soil exceeding ROD Soil Cleanup Levels. The ROD required excavation of the PRZ soils where the concentrations of polynuclear aromatic hydrocarbons (PAHs) were calculated to pose a carcinogenic risk exceeding 1×10^{-5} or a hazard index of 1 for the utility worker representative high exposure (RHE) scenario. The benzo(a)pyrene excavation cleanup level is 116 mg/kg. It was expected that eleven small surficial tar-impacted areas, two large tar-impacted areas, and five areas of PAH contaminated soil would be excavated (Appendix A, Drawing C-04). The PRZ materials were thermally treated or disposed of in Subtitle D or C landfills according to their level

and type of contamination. The clean overburden soils that were removed to expose the PRZ soils were tested and used as backfill for the site excavations. The system for categorizing and determining the management of PRZ soils is presented in the Construction Quality Assurance Plan and Performance Standard Verification Plan.

1.1.2 ARSENIC REMEDIATION ZONE

The Arsenic Remediation Zone (ARZ) consisted of industrial pond deposits from the former manufactured gas and coking operations located in one large and two small areas (Appendix A, Drawing C-04). The ARZ included soils where the concentrations of arsenic were expected to pose a carcinogenic risk of 1×10^{-5} for the utility worker RHE scenario. The agreed upon arsenic cleanup level is 639 mg/kg. There is some overlap between the arsenic-containing soil and the PAH-containing soil. The ARZ materials were disposed of in Subtitle D landfill according to their level of contamination. The system for categorizing and determining the management of ARZ soils is presented in the Construction Quality Assurance Plan and Performance Standard Verification Plan.

1.1.3 DESIGNATED SOIL STOCKPILE

The soils in the Designated Soil Stockpile (DSS) were excavated during construction of the new slip (Slip No. 4) in 1990 and 1991. The DSS soils were in a covered pile south of Slip No. 4 (Appendix A, Drawing C-04). As required by the ROD, the DSS material was landfilled in a Subtitle D facility. None of the DSS material required thermal treatment.

1.1.4 MARGINAL ZONE

The ROD requires that the soil in the Marginal Zone (Appendix A, Drawing C-05) be covered with vegetation, pavement, or buildings. The cover is intended to minimize infiltration, manage surface water drainage/erosion control, provide a barrier to direct contact exposure, and, in the case of the vegetation cover, enhance in-situ degradation of low-level concentrations of residual soil organics. The Marginal Zone encompasses the area of the site associated with PAH and arsenic concentrations between 1.0×10^{-5} and 1.0×10^{-6} excess carcinogenic risk, RHE, or arsenic concentrations above the 25 mg/kg protection of groundwater value. The Marginal Zone cover is six inches of topsoil and tall grass.

1.1.5 INSTITUTIONAL CONTROLS

Institutional Controls are to be placed on the property, in accordance with the provisions of the Soils Management Plan, as required by the RDAOC (see RDAOC Scope of Work, IV d.). The institutional controls are to consist of appropriate Site use restrictions, deed notifications, groundwater use prohibitions, and easements/covenants that limit the Site to industrial/commercial uses that do not adversely affect the remedy. Institutional Controls are being placed on the Site by the City of Waukegan and are not the responsibility of the Performing Defendants. Institutional controls will be presented under separate cover in the Soils Management Plan (SMP). The SMP will be submitted in accordance with the Remedial Action Consent Decree requirements.

1.2 REPORT OBJECTIVE

The objective of this report is to document the completion of the Soil Remedial Action and the Site condition remaining as a result of completing the Soil Remedial Action.

1.3 REPORT ORGANIZATION

This Completion Report is organized as follows:

- Section 1 Introduction - presents Site background information;
- Section 2 Scope of Work - presents a list of Remedial Action Construction Tasks;
- Section 3 Project Team - presents a summary of major contractors and subcontractors with a summary of project responsibilities;
- Section 4 Performance Standards and Construction Quality Control;
- Section 5 Health and Safety - presents a summary of the Health and Safety program and related performance;
- Section 6 Project Startup - presents a summary of pre-construction activities;
- Section 7 Construction Activities - presents a summary of construction work completed;
- Section 8 Project Closeout; and
- Section 9 Inspections.

2.0 SCOPE OF WORK

The purpose of this section is to summarize the Scope of Work completed during the Waukegan Manufactured Gas and Coke Plant Site remedial action.

The work performed at the Site included the following:

- mobilization of equipment, facilities, and personnel;
- clearing and grubbing, abandonment of monitoring wells, prepare decontamination facilities;
- installation and maintenance of erosion and surface water control features;
- demolition of Data Management Building and Office Building;
- excavation and backfilling of overburden soils;
- excavation, segregation, testing, and management of PAH contaminated soils;
- excavation, segregation, testing, and management of arsenic contaminated soils;
- excavation and management of Designated Soil Stockpile contaminated soils;
- removal and disposal of drums of Investigation Derived Waste;
- backfill excavations with approved soil materials;
- remove temporary facilities and controls;
- construction of a soil cover over the Marginal Soil Zone; and
- complete inspections.

Table 2.1 presents a chronological summary of removal activities. A photo log reviewing highlights of the removal activities is presented in Appendix N. The removal activities are further discussed in Sections 4.0 through 9.0.

3.0 PROJECT TEAM

The purpose of this section is to present the project team that completed the Waukegan Manufactured Gas and Coke Plant Remedial Action.

3.1 PROPERTY OWNER

The City of Waukegan currently owns the Waukegan Manufactured Gas and Coke Plant property.

3.2 PERFORMING SETTling DEFENDANTS

The Performing Settling Defendants for Operable Unit 2 of the Outboard Marine Corporation Superfund Site are responsible for the implementation of the remedy. The Performing Settling Defendants are General Motors and North Shore Gas Company.

3.3 ILLINOIS EPA OVERSIGHT

The Illinois EPA's Project Manger (PM) is Ms. Erin Rednour. Ms. Rednour provided oversight for the implementation of the Waukegan Manufactured Gas and Coke Plant Remedial Action in cooperation with the U.S. EPA and the Performing Settling Defendants technical coordinator.

3.4 U.S. EPA OVERSIGHT

The U.S. EPA's Project Manager (PM) is Mr. Kevin Adler. Mr. Adler provided oversight for the implementation of the Waukegan Manufactured Gas and Coke Plant Remedial Action as set forth in the Remedial Action Consent Decree in cooperation with the Performing Settling Defendants technical coordinator.

CH₂M Hill was contracted by U.S. EPA as its Removal Action Oversight (RAO) contractor. The RAO contractor, under U.S. EPA's direction, provided part-time oversight of remediation activities. The RAO contractor monitored Site-related sampling and removal activities, reviewed data as it was generated, attended construction progress meetings and provided independent written and photo documentation of all activities to U.S. EPA.

3.5 REMEDIAL DESIGN ENGINEER

Barr Engineering (Barr) and Conestoga-Rovers & Associates (CRA) were retained by the Performing Settling Defendants to complete the Soil Remedial Action. Barr's responsibilities included the Soil Remedial Action Design. CRA's responsibilities included preparation of Contract Documents and Construction Oversight.

3.6 CONSTRUCTION MANAGEMENT

CRA was retained by the Performing Settling Defendants to provide contract documents and construction management of the removal activities conducted at the Site. CRA's responsibilities included liaison with Performing Settling Defendants and U.S. EPA's RAO, and management and inspection of the removal contractor and subcontractor activities to ensure that the Final Removal Action Design for the Waukegan Manufactured Gas and Coke Plant Remedial Action and associated Project Specifications, as approved by U.S. EPA, were properly implemented. Representatives from CRA were on-Site during remedial activities from mobilization on November 17, 2004 to final demobilization in November 2005.

CRA also maintained the following records on-Site:

- a daily Site logbook;
- a photographic log for documentation of removal activities;
- weather conditions;
- on-Site personnel;
- visitors; and
- remedial activities conducted.

In addition, CRA submitted copies of field data to the remedial action oversight contractors. Hard copies of the project documentation and reporting are maintained at CRA's office in Chicago, Illinois.

CRA retained subcontractors to provide soil testing services and surveying services.

Geotechnical soil testing services were provided by Testing Service Corporation of Carol Stream, Illinois (TSC). TSC performed moisture-density relationship testing and soil compaction testing and reporting.

Chemical soil testing services were provided by Severn Trent Laboratories, Inc. of North Canton, Ohio (STL). STL performed chemical analytical testing and reporting of soil samples submitted for analysis.

Land surveying services were provided by Bollinger, Lach and Associates of Oak Brook, Illinois (BLA). BLA located sample points and measured various quantities using land survey techniques to provide an independent confirmation of data provided by the Remedial Contractor.

Air monitoring services were provided by Burns and McDonnell of Oak Brook, Illinois (B&M). B&M provided independent confirmation of air quality data outside the work area.

3.7 REMEDIAL CONTRACTOR/SUBCONTRACTORS

Sevenson Environmental Services, Inc. (SES) of Niagara Falls, New York was retained under contract by the Performing Settling Defendants group to complete the Remedial Action. SES conducted remedial activities at the Site between November 2004 and November 2005. SES retained minor subcontractors to provide fence installation, surveying services, asphalt paving, tallgrass establishment services, asbestos abatement, monitoring well abandonment, and removal of hazardous materials from the former OMC Buildings.

Fencing materials supply and installation activities was provided by Universal Fence, Inc. of Hawthorn Woods, Illinois. Universal Fence installed new fence products along the south and east perimeters of the Site for SES.

Surveying services for the remedial contractor were provided by R.E. Allen and Associates of Grayslake, Illinois. R.E. Allen performed land surveying and layout activities for SES.

Asphalt paving services were provided by Peter Baker & Son of Lake Bluff, Illinois. Peter Baker & Son supplied and placed asphalt paving materials in the BRP parking lot areas that were disturbed by excavation activities.

Tallgrass establishment services were provided by Natural Environmental Reclamation Concepts, Inc. (NERC) of Hanover, Michigan. NERC provided herbicide application, seed supply and placement for SES.

Asbestos removal services were provided by Specialty Systems of Illinois (SSI), of South Holland, Illinois. SSI provided asbestos abatement, containment, and disposal as well as air monitoring specific to asbestos removal activities for SES. Additionally, SSI managed the removal of hazardous materials from the building prior to demolition activities.

Monitoring well abandonment services were provided by TerraTrace Environmental Services of Lake Bluff, Illinois. TerraTrace performed the monitoring well abandonment activity and completed the monitoring well abandonment logs for SES.

Major subcontractors were hired for transportation and disposal of waste material. Category 1 soils were thermally treated at either the Piney Creek Limited Partnership in Clarion, Pennsylvania or Sunnyside Cogeneration Associates in Sunnyside, Utah. Long distance hauling to these facilities was subcontracted to Beelman Inc. and US Bulk Transportation Inc.

Category 2 materials were disposed by landfill at either Onyx Zion Landfill Inc. in Zion, Illinois or Waste Management Inc. CID Landfill in Calumet City, Illinois. Hauling within Illinois was subcontracted to Midwest REM Inc.

4.0 PERFORMANCE STANDARDS AND CONSTRUCTION QUALITY CONTROL

This section identifies quality control plans and presents the results from testing performed throughout the construction activities.

4.1 GENERAL

The Construction Quality Assurance Plan and Performance Standard Verification Plan (Includes the Air Monitoring Plan) (February 2004) describes the sampling, testing and analysis that was used during the implementation of the soil remedial action at the Site.

The Quality Assurance Project Plan (May 2003) provides a 'blueprint' for obtaining the type and quantity of data needed to support environmental decision making.

4.2 CONSTRUCTION QUALITY ASSURANCE PLAN AND PERFORMANCE STANDARD VERIFICATION PLAN (INCLUDES THE AIR MONITORING PLAN)

The Construction Quality Assurance Plan and Performance Standard Verification Plan (Includes the Air Monitoring Plan) (CQAP) (February 2004) describes the sampling, testing and analysis that was planned for completion during the implementation of the soil remedial action at the Site.

Components of the CQAP and their implementation are discussed below.

4.2.1 EXCAVATION VERIFICATION

The excavation verification sampling consisted of collecting samples every 25 feet along the excavation walls. Excavations smaller than 125 feet in circumference have samples collected at four approximately equidistant points around the perimeter of the excavation. Due to the nature of the sandy soils on site, and the depth of excavations, the bottoms all of the excavations were below the water table of the Site. As described in the Construction Quality Assurance Plan and Performance Standard Verification Plan, excavation sidewall samples were collected from an excavator bucket.

Excavation sidewall verification samples were analyzed for arsenic, benzo(b)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, dibenzofuran, ideno(1,2,3-cd)pyrene, 4-methylphenol, naphthalene, and benzo(a)anthracene. Table 4.1

provides a Sample Log of excavation sidewall samples. Appendix B presents the laboratory reports of the sample analysis.

If a sidewall sample laboratory result indicated that a sample did not meet the performance standards, then additional excavation was performed to expand the excavation 12 feet laterally in every direction from the failed sample location. Additional sidewall samples were then collected from the perimeter of the additional excavation area. Using this procedure, excavations were completed to meet the performance standards.

4.2.2 TASP SAMPLING

In accordance with the Construction Quality Assurance Plan of the Final Design Report, excavated soils were separated into temporary accumulation staging piles (TASP) prior to sampling and analysis to determine the final disposition of each pile.

Category 1 TASP's consisted of soil that exhibited the following characteristics: (a) soil that is saturated with tar, so that the soil is cohesive due to the tar (cohesive in warm weather, and cemented in cold weather); (b) soil that is completely saturated with oil, with little or no apparent water mixed with the oil, and no apparent unsaturated voids.

Category 2 TASP's consisted of soil that has the following characteristics: (a) the DSS – all the material within the DSS is considered to be Category 2 soil; (b) soil found within the limits defined for the ARZ; (c) soil outside the ARZ that contains light-colored or striped, pasty sediment commonly found within the ARZ; (d) soil that appears to contain some tar, but is not saturated with tar, so that the soil is not cohesive due to the tar; (e) oily soil that does not appear to be saturated with oil or that has water mixed with the oil; (f) investigation-derived waste (IDW) staged at the site.

Category 3 TASP's consist of soil that visibly contains no tar and limited or no oil. Category 3a soil includes soil that appears clean and soil that is merely discolored (black or dark brown), and does not have visual or olfactory evidence of contamination. Category 3b soil may appear to contain some oil, in contrast to Category 3a, but nevertheless is believed to have lower PAH concentrations than the cleanup levels. All Category 3a and 3b soils were subject to TCLP testing and testing for ROD Cleanup criteria at a rate of one sample per 500 cubic yards. In practice, a judgement call to categorize a soil material as 3a or 3b was too difficult to execute on a large-scale excavation and only Category 3a was used. As a result, only Category 3 soils are referenced in this report.

TASP sampling consisted of collecting samples made up of 4 aliquots. Aliquots were collected as grab samples approximately equally spaced around each TASP. Each grab was collected by hand digging 10 to 14 inches into the side of the TASP, approximately 1 to 4 feet above the ground surface to expose a fresh surface to be sampled. A composite of the aliquots was analyzed for individual parameters for the specific soil category. For Category 2 TASP's, 1 of the 4 aliquots was selected as a discrete sample for TCLP VOC analysis.

There were no Category 1 TASP samples. Category 1 soils were identified visually and were stockpiled for direct loading and shipment to a thermal treatment facility.

There were 42 Category 2 TASP's of approximately 500 cubic yards each. Each Category 2 TASP was analyzed for TCLP arsenic, benzene, carbon tetrachloride, chlorobenzene, chloroform, 1,2-dichloroethane, 1,1-dichloroethene, methyl ethyl ketone, tetrachloroethylene, trichloroethylene, vinyl chloride, o-Cresol, m- & p-Cresol, 1,4-dichlorobenzene, 2,4-dinitrotoluene, hexachlorobenzene, hexachloroethane, nitrobenzene, pentachlorophenol, pyridine, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, and methylphenols (cresols), total. Table 4.2 provides a Sample Log of Category 2 samples. Appendix B presents the laboratory reports of the sample analysis.

There were 3 Category 3 TASP's of approximately 500 cubic yards each. Additionally, one sample of on-site borrow was collected for Category 3 analysis. Category 3 TASP's were analyzed for total arsenic, benzo(b)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, dibenzofuran, indeno(1,2,3-cd)pyrene, 4-methylphenol, naphthalene, benzo(a)anthracene, and TCLP silver, arsenic, barium, cadmium, chromium, lead, selenium, mercury; TCLP o-cresol, m-cresol & p-cresol, 1,4-dichlorobenzene, 2,4-dinitrotoluene, hexachlorobenzene, hexachlorobutadiene, hexachloroethane, nitrobenzene, pentachlorophenol, pyridine, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, methylphenols(cresols)total; and TCLP benzene, carbon tetrachloride, chlorobenzene, chloroform, 1,2-dichloroethane, 1,1-dichloroethene, methyl ethyl ketone, tetrachloroethylene, trichloroethylene, and vinyl chloride. Table 4.3 provides a Sample Log of Category 3 samples. Appendix B presents the laboratory reports of the sample analysis.

4.2.3 OFF-SITE BORROW

The contractor proposed use of off-site borrow materials for three specific uses, and from four different sources.

Off-site general fill was used as a cover material over on-site borrow materials placed in excavations. Off-site general fill was imported from Thelen Sand & Gravel of Antioch, Illinois.

Granular Subbase was used as a fill material to construct haul roads on the site, displace groundwater in excavations that were below the water table, and to provide fill materials below placed asphalt in the BRP parking lot area. Granular subbase fill was imported from Vulcan Materials Company of Lake Bluff, Illinois.

Topsoil was used as cover material throughout the marginal zone. Topsoil materials were imported from two sources, Richards Excavating, Inc of Zion, Illinois and Thelen Sand and Gravel, Inc. of Antioch, Illinois.

Off-site borrow samples were collected and analyzed for comparison with the Illinois TACO Tier 1 standards. Appendix C presents the laboratory reports of the sample analysis.

4.2.4 COMPACTION TESTING

Compaction testing of fill materials placed above the water table and greater than one foot below the ground surface was performed at a rate of at least one test per 5,000 cubic yards, with a minimum of one test per excavation. Testing Service Corporation provided proctor testing and compaction testing for density of backfilled materials using either a nuclear method or sand cone method.

Backfilling was completed in layers. Above the water table, a maximum layer thickness of 12 inches was permitted. Each layer above the water table was compacted with heavy equipment before compaction testing was completed.

Field reports of compaction testing results are presented in Appendix D.

4.2.5 MARGINAL ZONE SOIL COVER

In accordance with the Construction Quality Assurance Plan of the Final Design Report, the marginal zone soil cover thickness was confirmed to be in conformance with the soil cover requirements shown on figure C-05 of the plan set. The confirmation was achieved by visual and survey methods.

During the placement of the topsoil, direct visual observation of the placed soils confirmed that a minimum of four inches of imported topsoil was placed over all areas that were backfilled with OSB or Category 3 soils. Direct visual observation also confirmed that an additional layer of a minimum of six inches of topsoil was placed over the entire marginal zone soil cover area.

In addition to the visual observation, survey methods were employed to document the placement of the imported cover soil and the topsoil. Survey record as-built drawings are provided in Appendix K. The figure labeled *Soil-AsBuilt* documents the elevations of the placed on-site borrow materials and the elevations of the placed off-site borrow materials. The figure labeled *Final-w SES-topsoil* documents the elevations of the placed topsoil materials. A comparison table with sub-grade and final grade elevations is provided as Table 4.4, indicating the elevation of the top of OSB or Category 3 placed materials, elevation of the top of placed imported soils, elevation of top of placed topsoil materials, and the thickness of cover placed at 15 locations on Site. These locations were selected to correspond with each of the excavation areas.

4.2.6 TREATED WATER

The Construction Quality Assurance Plan and Performance Standard Verification Plan provided opportunity to collect decontamination water and contaminated soil stockpile runoff water samples during the course of construction activities. Construction activities at the site were managed in such a way that stockpile runoff was returned to the excavations. Stockpiles of excavated soils were staged within the footprint of the excavation if possible, allowing runoff waters to disburse within the area to be excavated. In some locations, the stockpiles were staged outside the excavation area, within polyethylene lined berms which were allowed to drain back to the open excavations. Upon removal of the stockpiles that were outside of the designated excavation areas, an addition several inches of soils beneath the polyethylene liner materials were removed to ensure that no stockpile runoff was left on the site.

Decontamination waters were collected in a polyethylene tank and allowed to evaporate on the decontamination pad during the dry, hot summer. The polyethylene holding tank was emptied and demobilized with other contractor equipment.

No water was treated on-Site, and no samples of treated water were collected.

4.2.7 AIR MONITORING

Air monitoring activities during the remedial activities included monitoring for airborne particulate, monitoring organic vapor levels at up-wind and down-wind locations on the Site, and logging atmospheric and weather conditions.

Airborne particulate monitoring was performed at an upwind location and a downwind location each morning and afternoon. A Miniram real-time particulate monitor was utilized to determine the level of particulate matter in the air and the measurements were recorded in a log book.

Organic vapor monitoring was performed at an upwind and a downwind location each morning and afternoon. A MiniRae photoionization detector (PID) was utilized to determine the level of organic vapors in the air and the measurements were recorded in a log book.

Benzene monitoring using Draeger tubes was conducted daily during the first week of excavation in the southern excavation area downwind of work activities. No benzene emissions were observed, and monitoring was discontinued after the second week in accordance with the Air Monitoring Plan.

Field reports of air monitoring activities are presented in Appendix E.

4.3 QUALITY ASSURANCE PROJECT PLAN

The Quality Assurance Project Plan (QAPP) (May 2003) provides a 'blueprint' for obtaining the type and quantity of data needed to support environmental decision making. Confirmatory sampling and testing of soil excavation sidewalls and TASP's were performed in accordance with the Site-Specific QAPP.

The completed signatory page of the QAPP is provided in Appendix F.

5.0 HEALTH AND SAFETY

The purpose of this section is to provide an overview of the health and safety program implemented for the Waukegan Manufactured Gas and Coke Plant Site Remedial Action.

5.1 BASIS FOR PROGRAM

A health and safety program was developed before and implemented during remedial activities. The Occupational Safety and Health Administration (OSHA) Standards and Regulations contained in Title 29, Code of Federal Regulations, Parts 1910 and 1926 (29 CFR 1910 and 1926) provided the basis for the health and safety program. The program also reflected the position of the U.S. EPA and National Institute of Occupational Safety and Health (NIOSH) regarding procedures recommended or required to ensure safe operations at sites containing hazardous or toxic materials.

5.2 HEALTH AND SAFETY PLANS

SES, and CRA developed HASPs for the Waukegan Manufactured Gas and Coke Plant Remedial Action. SES developed an overall Site HASP. Other site personnel then developed their own activity-specific HASP in accordance with the SES HASP. The HASPs were submitted to and reviewed by CRA and U.S. EPA. The plans were then revised as necessary. The HASPs included information on and requirements for the following:

- Site characterization and Constituents of Concern;
- work descriptions;
- medical surveillance and training;
- levels of personnel protective equipment;
- heat stress/cold stress;
- equipment and personnel decontamination procedures;
- emergency and first aid equipment;
- Site communication;
- work zones;
- fire prevention and protection; and
- accident prevention.

Removal activities were performed in accordance with the HASPs.

5.3 IMPLEMENTATION OF HEALTH AND SAFETY PROGRAM

SES provided the on-Site Health and Safety Officer (HSO) to oversee all site operations during the duration of closure activities. The HSO was responsible for the daily implementation and enforcement of the health and safety program. The HSO conducted health and safety meetings each morning covering topics applicable to the work being performed that day. The HSO also maintained and submitted to the construction manager daily safety logs including information on the following:

- weather conditions;
- work activities;
- health and safety equipment in use;
- personal protective equipment being worn;
- physical condition of workers;
- accidents or health and safety violations; and
- air monitoring results.

5.4 INCIDENT REPORT

Despite overall compliance with the HASP, a major safety incident occurred on January 14, 2005 when an SES operator was pinched between two pieces of heavy equipment. The project was immediately shutdown and emergency service providers mobilized to the Site. SES remained shutdown while SES corporate Health & Safety completed an investigation. CRA mobilized a senior staff professional to conduct an independent incident investigation on January 15, 2005. OSHA responded with its own investigation.

SES was permitted to restart the project on January 20, 2005, after completing its own accident investigation and obtaining a new piece of equipment to safely jump start heavy equipment in cold temperatures. SES also implemented safety policies that included workers wearing safety vests, maintaining appropriate distances between parked heavy equipment, and designating specific individuals to start the heavy equipment each morning.

6.0 PROJECT STARTUP

The purpose of this section is to summarize the project startup activities involved with the Waukegan Manufactured Gas and Coke Plant Site Remedial Action.

6.1 STARTUP ACTIVITIES BY SES

A Pre-Construction meeting was held at the Site on November 17, 2005. The meeting included representatives of U.S. EPA, IEPA, CH₂M Hill, the Performing Responding Defendants group, CRA, and SES. Following the Pre-Construction meeting, a Pre-Mobilization meeting was held at the Site, which also included representatives of the Group and SES Appendix G presents the Pre-Construction Meeting Minutes.

Mobilization activities by SES were initiated in November, 2004 and supplemented as required throughout the project. These activities included;

- mobilization of personnel;
- mobilization of Health and Safety equipment;
- obtaining Site utilities (electric and telephone);
- mobilization of Site office trailers and equipment;
- mobilization of portable sanitary facilities; and
- mobilization of construction equipment.

SES also prepared, submitted, and revised as necessary the Site-Specific Health and Safety Plan and construction work plans during project startup.

7.0 CONSTRUCTION ACTIVITIES

The purpose of this section is to summarize the remedial activities that were conducted at the Site to complete the Waukegan Manufactured Gas and Coke Plant Site Remedial Action.

7.1 CLEARING AND GRUBBING

Clearing operations consisted of cutting and removing trees, shrubs, bushes, and other vegetation within the construction limits. Trees and large shrubs were cut down and stockpiled on the western edge of the northern portion of the site until they could be chipped. Chipping operations were delayed until warm weather of spring allowed the operations to be performed. Chipped trees and shrubs were stockpiled and used on the on-Site Borrow Pile as a dust suppressant.

Grubbing operations consisted of removing and disposing of stumps, roots, and other remains that may impede the work operations. Grubbed materials were stockpiled and transported to the Onyx - Zion RCRA Subtitle D landfill in Zion, Illinois.

7.2 ABANDON MONITORING WELLS

Monitoring wells MW-1S, MW-1D, MW-9S, MW-9D, EW-4, WN-3, OMC-MW-1, and OMC-MW-2 were abandoned prior to excavation activities.

SES completed monitoring well sealing permit applications with the Lake County Health Department for each well in a letter dated January 4, 2005. Lake County Health Department approved the applications in a letter dated January 20, 2005.

SES subcontracted TerraTrace Environmental Services to perform the well sealing activities. All monitoring wells were abandoned by filling the riser and screen with neat cement starting from the base of the screen. Neat cement-bentonite grout was placed by pumping under pressure through a tremie pipe as the tremie pipe was gradually raised to the top of the well. The protective casing was removed to a depth of 4 feet below ground surface. All protective posts were also removed.

Monitoring wells MW-1S, MW-1D, MW-9S, MW-9D, EW-4, WN-3, and OMC-MW-2 were abandoned on January 12, 2005. Monitoring Well OMC-MW-1 was abandoned on April 28, 2005. Monitoring well abandonment permit application, Lake County Health

Department approval letter, and monitoring well abandonment logs are provided in Appendix H.

7.3 PREPARE DECONTAMINATION FACILITY

A concrete decontamination pad and facility was used to decontaminate heavy equipment, hand tools, and miscellaneous equipment.

The decontamination facility consisted of a collection sump, a 20-foot by 30-foot fiberglass-reinforced concrete pad sloped to the sump, side shields to control water spray, and a 500-gallon polyethylene tank to collect decontamination waters.

Solids generated during the decontamination activities were returned to the appropriate contaminated soil stockpile for off-site disposal. Collected liquids were allowed to evaporate.

The decontamination facility was demolished and disposed along with Category 2 materials at the end of the project.

7.4 INSTALL AND MAINTAIN EROSION AND SURFACE WATER CONTROL FEATURES

Erosion control and surface water control features were used to control erosion at the site and manage water runoff and runoff. The contractor utilized soil berms, silt fencing, and plastic sheeting in various locations across the site. Contaminated soils and water were not allowed to leave the work areas. Water runoff was minimized.

7.5 DEMOLITION OF DATA MANAGEMENT BUILDING AND OFFICE BUILDING

Part of the agreement between the property owner and the Performing Settling Defendants included removal of buildings from the site during the works. This removal action was not part of the ROD, but was performed in concert with the works required by the ROD. Two buildings on Site were demolished, including removal of all building contents, removal of roof, walls, building slabs and floors, and removal or permanent abandonment of building utilities. Concrete sidewalks, concrete driveways and an asphalt parking lot were also removed as part of the building demolition. The buildings

included the Data Management/Information Technology building located at 180 Seahorse Drive, and an office building located at 190 Seahorse Drive. Samples of soils remaining after demolition were collected and split with the City of Waukegan to verify soils was not impacted above site criteria. The sample locations are shown on Figure 4.1 at locations PP-302, PP-370, and PP-371.

The contents of the buildings including asbestos containing materials, R-22 refrigerant, radioactive smoke alarms, carbon dioxide bottles, glycol and water antifreeze, a fifty five gallon drum of latex paint cans, 3 pounds of mercury products from thermostats, 3792 pounds of lead acid batteries, 3420 pounds of PCB containing fluorescent light ballast, 3060 fluorescent lamps were removed and disposed or recycled. Certificates of Disposal or Recycling are provided in Appendix I.

7.5.1 ASBESTOS ABATEMENT

SES sub-contracted Specialty Systems of Illinois (SSI), of South Holland, Illinois, to perform asbestos removal activities in the two buildings.

Prior to any removal action SSI sealed the building with plastic and installed HEPA ventilation equipment in the work area. An asbestos-containing waste material holding area was constructed to stockpile removed asbestos-containing materials.

SSI utilized wet techniques to remove drywall and sheetrock materials, as well as asbestos-containing floor tiles and mastic materials. Removed materials were placed in double-contained plastic bags and placed in the holding area. An encapsulant was applied to all exposed surfaces of the removal areas upon completion of the asbestos removal.

Asbestos-containing wastes were properly disposed of in an approved landfill.

Upon completion of removal work activities, confirmatory air monitoring samples were collected from within the containment area. The results indicate that the final confirmatory air sampling have achieved a concentration of less than 0.01 fibers per cubic centimeter. Air Monitoring logs are provided in Appendix J.

7.5.2 BUILDING DEBRIS DISPOSAL

Building debris materials to be disposed included steel, copper and other metals, lighting, roofing and other miscellaneous debris, and concrete and masonry.

SES recycled demolition materials as much as possible. Steel beams and other steel building components were segregated and shipped to Allied Recycling. Copper, aluminum and other metals were segregated and recycled at Allied Recycling. Refrigerant and fire suppression gases were recovered and recycled.

Lighting components were removed and disposed of as a PCB-containing material.

Roofing and miscellaneous debris materials were collected and disposed of to an appropriate disposal facility.

Concrete and suitable masonry materials were collected and stockpiled for reuse on-site. Re-used concrete materials were crushed and reduced in size so that their maximum dimension is less than 3 inches in size, and their shape does not create any void spaces or otherwise adversely impact their placement and compaction. Any crushed concrete placed in excavation areas was placed below the water table.

7.6 SOIL REMEDIAL ACTION

The remedial action included the excavation and treatment or disposal of contaminated soil exceeding the ROD cleanup criteria, and placement of a cover over remaining Marginal Zone soils in order to meet the ROD remedial action cleanup levels.

In general, the remedial action involved excavation of soils from ground surface to the groundwater table within anticipated limits shown on Drawing C-04 in Appendix A. Excavated materials were divided into three categories according to visible characteristics and tested to verify the categorization. Management of the three categories included thermal treatment, landfill disposal, or re-use onsite for soil that meets the ROD cleanup criteria. Soils from the DSS area were transported to a Subtitle D landfill facility.

During excavation of the soils, small quantities of free product were occasionally released from the soils. Earthen berms were built to segregate any free product from the larger excavations, effectively restricting the release. The free product was managed by

absorbing the product into oil-absorbent booms, and disposing the booms along with the soils that allowed the release.

Following excavation, backfill and compaction, a cover was constructed over the Marginal Zone. In most areas the cover is soil and vegetation, other areas include asphalt cover and granular stone cover. Appendix K presents a topographic drawing of the final cover elevations.

7.6.1 CONTAMINATED SOIL REMOVAL PROCEDURES

Excavated soils were segregated and managed according to a categorization system defined by the Design. The excavated soils were segregated into Category 1, Category 2, and Category 3 soils. Category 2 and Category 3 soils were further divided into temporary accumulation staging piles (TASP) of approximately 500 cubic yards each.

Excavated soils placed into Category 1 staging pile exhibited characteristics of soil that was saturated with tar so that the soil was cohesive due to the tar, or soil that is completely saturated with oil, with little or no apparent water mixed with the oil, and no apparent unsaturated voids. This staging pile was not tested prior to transportation off-site for thermal treatment.

Excavated soils placed into Category 2 staging piles exhibited the following characteristics: (a) all of the materials within the Designated Soil Stockpile; (b) soil found within the limits of the arsenic soil zone; (c) soils outside the arsenic soil zone that contained the light-colored or striped, pasty sediments similar to that found within the limits of the arsenic soil zone; (d) soils that appeared to contain some tar, but were not saturated with tar, so that the soils was not cohesive due to the tar; (e) oily soil that did not appear to be saturated with oil or that has water mixed with the oil; or (f) investigation-derived wastes staged at the site. These soils were staged in approximately 500 cubic yard piles that were sampled to confirm the contents are not Category 1 materials.

Excavated soils placed into Category 3 staging piles exhibited characteristics of visibly containing no tar and limited or no oil. These soils were staged in approximately 500 cubic yard piles that were sampled to confirm the contents are not Category 1 or Category 2 materials, and that they passed the ROD cleanup criteria.

Debris removed from the excavations included pieces of concrete building foundations and other concrete or rock. SES chose to handle debris as Category 2 materials and disposed of debris off-site.

7.6.2 SOIL SAMPLING AND TESTING

Soil sampling and testing consisted of two main activities; sampling and testing of TASP stockpiles, and excavation sidewall verification sampling and testing.

TASP sampling consisted of collecting composite samples made up of four aliquots. The aliquots were collected as grab samples approximately equally spaced around the TASP. The composite samples were analyzed for parameters specific to each soil category.

Sidewall sampling would take place on completed excavation sidewalls. In areas where sidewalls exhibited tarry or oily flowing materials, excavation continued until no additional tarry or oily flowing materials remained. Sidewall verification sampling was performed to ensure that the ROD soil cleanup levels had been reached. Post-excavation samples were collected from the exposed sidewalls to verify the soil quality at the excavation limits. In general, sidewall samples were collected every 25 feet along the open excavation face. If the excavation was less than 125 feet in circumference, then four equally spaced sidewall samples were collected.

No excavation base samples were collected because all excavations were below the water table.

A summary of sidewall soil sampling results is presented on Table 4.1. The final areal limits of the excavation, and the sidewall sample locations are shown on Figure 4.1.

7.6.3 LABORATORY ANALYSIS REPORT QUALITY ASSURANCE REVIEW

CRA performed a laboratory report quality assurance review and validation of each laboratory analysis performed. All data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use without qualification. A copy of each validation report is provided in Appendix B.

7.6.4 SOIL TRANSPORTATION AND TREATMENT OR DISPOSAL

Several treatment or disposal options were utilized for the treatment or disposal of excavated soils at the Site, depending upon the characterization of the soil.

Category 1 soils were transported to either Piney Creek Limited Partnership in Clarion, Pennsylvania or Sunnyside Cogeneration Associates in Sunnyside, Utah. Category 2 soils were transported to either Onyx Zion Landfill, Inc. in Zion, Illinois or Waste Management Inc. CID Landfill in Calumet City, Illinois.

Initially, SES planned to ship all Category 1 soils to the Piney Creek facility in Pennsylvania. During December 2004, a total of 2,093.04 tons of Category 1 soils were transported to Piney Creek via a bill of lading. All materials were accepted and thermally treated at the Piney Creek facility. In January 2005, Piney Creek informed SES and CRA that their permit was to be renewed, and that there would be a delay of several months prior to their ability to accept additional materials for treatment.

Consequently, CRA and the Group directed SES to ship the remaining Category 1 materials to Sunnyside, Utah. During the period of February 2005 to May 2005, 2,515.85 tons of Category 1 soils were transported to Sunnyside, Utah via a bill of lading. All materials were accepted and thermally treated at the Sunnyside facility.

Category 2 soils included Designated Soil Stockpile (DSS) materials, Investigation Derived Wastes (IDW), contaminated debris excavated during the course of removal action activities, and soils defined as Category 2 soils. DSS soils and drums of IDW materials were transported to the Onyx-Zion landfill without sampling, in accordance with the Site Final Design Report. Other Category 2 soils were sampled prior to transportation to confirm that the soils were below the TCLP Threshold Values. All Category 2 soils that were confirmed to be below the TCLP threshold values were transported to the Onyx-Zion landfill. During the period of January 2005 to May 2005, 54,768.26 tons of soils were transported to Onyx-Zion. All materials were accepted and permanently disposed of at the Onyx-Zion facility.

Two TASPs (TASP 2-27 and TASP 2-36) exceeded the TCLP Threshold Values for disposal to Onyx-Zion, and were subsequently transported to Waste Management's CID Landfill facility. During the period of January 2005 and May 2005, 2,531.34 tons of soils were transported to CID. All materials were accepted and permanently disposed of at the CID facility.

A summary of transportation and disposal for Category 1 soils is provided in Table 7.1. A summary of transportation and disposal for Category 2 soils is provided in Table 7.2. A summary of transportation and disposal for Category 2 soils sent to the CID facility is provided in Table 7.3. Copies of Certificates of Destruction for Category 1 soils are provided in Appendix L. Copies of Illinois manifests are provided in Appendix L for all Category 2 soils.

Category 3 soils were reused on site as clean backfill after confirming that the laboratory results indicated that the soils were cleaner than the ROD soil cleanup levels.

7.6.5 DEBRIS AND PROCESS VESSEL DISPOSAL

Buried debris was encountered throughout the excavation activities. Examples of buried debris encountered include large boulders, rocks, concrete footings and walls, wooden railroad ties, and a process vessel.

SES elected to limit the amount of debris cleaning due to cold weather conditions. All debris to be shipped off-site was sized to conform to landfill disposal requirements and subsequently transported to the Onyx-Zion landfill and disposed of as Category 2 soils. At the special request of the City of Waukegan, two concrete footings were cleaned, crushed and reused as fill materials below the water table. These concrete footings were located near sample points PP-147 and PP-258. This work was paid for and directed by the City of Waukegan.

Copies of Illinois manifests are provided in Appendix L for Category 2 soils.

Prior to removal of the process vessel, a vacuum truck was utilized to remove the liquid content of the vessel. The liquids were treated as a separate wastestream and transported to Beaver Oil Company in Hodgkins, Illinois. Upon completion of liquid removal from the interior of the vessel, the vessel was removed and recycled as scrap metal.

Copies of Illinois manifests are provided in Appendix M for liquid disposal.

7.7 SITE BACKFILLING

Upon completion of excavation, sidewall confirmatory sampling, and receipt of laboratory reports indicating that the excavation had met the remedial objectives, SES

commenced backfilling the open excavations. Several layers of materials were placed in the excavations as backfill materials. Granular fill materials were used below the water table and in other specific locations, and a variety of common fill materials were used to complete the bulk of the backfilling. Compaction testing was performed to ensure the placement of the common fill integrity. In areas where on-site borrow source material was placed, at least four inches of imported fill materials and six inches of topsoil was placed as cover.

7.7.1 GRANULAR FILL MATERIAL

Granular fill materials were obtained from two sources, on-site and off-site.

On-site materials included crushed concrete from the demolished buildings. Concrete from the floors, foundation walls and exterior walls of the buildings, and concrete from the driveway and building aprons was crushed and stockpiled. The crushed concrete was reduced to a maximum size of three inches or less in any dimension. Crushed concrete was used as backfill in the bottom of excavations below the water table.

Off-site materials were imported from Vulcan Materials Company in Lake Bluff, Illinois. Limestone crushed to an Illinois Department of Transportation CA-6 gradation and meeting IDOT's specifications was approved for use as backfill material at the Site. Imported granular fill was used as backfill under asphalt at the BRP facility, placed in the bottom of excavations below the water table, and on the ground surface near the Larsen Marine expansion area.

Chemical and geotechnical laboratory analysis of the imported granular fill is presented in Appendix C.

7.7.2 COMMON FILL LAYER

Common fill materials were obtained from two sources, on-site and off-site.

On-site materials included Category 3 excavated soils, and an On-Site Borrow pile. On-site materials were placed in the bottom of the excavations above the water table.

Off-site materials were imported from Thelen Sand & Gravel, Inc. of Antioch, Illinois. The imported material is a sand product that has been uniformly graded to meet the

IDOT specification of FA-10 sand. Off-site materials were placed in a 4-inch layer above the placement of on-site materials.

Chemical and geotechnical laboratory analysis of the imported common fill is presented in Appendix C.

7.7.3 COMPACTION TESTING

Compaction testing of fill materials placed above the water table and greater than one foot below the ground surface was performed at a rate of at least one test per 5,000 cubic yards, with a minimum of one test per excavation. Testing Service Corporation provided proctor testing and compaction testing for density of backfilled materials using either a nuclear method or sand cone method.

Soils from the OSB stockpile were placed in approximate one-foot lifts to backfill the excavations from above the water table to within 6 inches of the original ground surface. Each one-foot lift was compacted using a large vibratory smooth roller. TSC tested each layer after placement. Above the OSB soils, four inches of clean imported common fill and six-inches of topsoil were placed. The top one-foot of placed soils was not compacted in an effort to accommodate tallgrass plantings.

Field reports of compaction testing results are presented in Appendix D.

7.7.4 TOPSOIL LAYER

Topsoil materials were imported from two off-site sources. Richards Excavating of Zion, Illinois supplied approximately ½ of the required topsoil materials. Thelen Sand and Gravel, Inc. of Antioch, Illinois also supplied topsoil materials.

Chemical and geotechnical laboratory analysis of the imported topsoil is presented in Appendix C.

7.7.5 VEGETATIVE COVER

Imported topsoil materials were contaminated with an aggressive weed which became overgrown on the Site prior to planting the design vegetative cover. As a result, NERC requested permission to use a herbicide to kill all the vegetative cover on the imported

topsoil areas. Subsequent to applying the herbicide, the vegetative cover was mowed in two directions and a secondary application of herbicide applied. In November 2005, the design vegetative cover was planted. The vegetative cover was planted in accordance with Drawing C-05 in Appendix A, with exception of an area immediately south of the Larsen Marine facility. This area had 6-inches of stone placed as a substitute for 6-inches of topsoil and vegetative cover to facilitate vehicle access for the marina. See Figure 7.1 for location of stone placement.

7.7.6 SITE RESTORATION

All temporary facilities were removed from the Site following remediation and disturbed areas were restored to pre-construction conditions or restored as identified in the Construction Drawings.

The existing Site fence was repaired and replaced where damage had occurred during construction. In addition, a new portion of fence was constructed along the southeastern portion of the perimeter of the site. The location of these repairs and new fence construction are shown on Drawing C-05 in Appendix A.

7.8 AIR MONITORING AND CONTROL

Air monitoring was conducted throughout the remedial action construction activities. Air monitoring performed by CRA included particulate dust monitoring, organic vapor levels, and benzene monitoring. Perimeter air monitoring occurred twice a day at specified upwind and downwind locations.

Particulate dust monitoring was performed using a pDr-1000 Dataram particulate monitor. The Dataram readings were used as an indicator of air quality. Monitor readings were recorded at both upwind and downwind locations in the morning and afternoon each day intrusive remedial action activity occurred. The readings were compared to an ambient air quality standard of 150 micrograms per cubic meter. Throughout the project, there were no occurrences of ambient air quality for particulate dust monitoring that exceeded the quality standard of 150 micrograms per cubic meter.

Organic vapor level monitoring was performed with a real-time photoionization detector (PID). Monitor readings were recorded at both upwind and downwind locations in the morning and afternoon each day intrusive remedial action activity occurred. The upwind readings were compared to downwind readings to determine if

any organic vapors greater than an action level of 1 part per million were released. Throughout the project, there were no occurrences of degraded ambient air quality greater than the action level for organic vapor level monitoring that indicated a release of organic vapors from the site.

Benzene monitoring was performed once a day during the first two weeks of excavation activities. Excavation during the first two weeks included areas of the site with the greatest concentrations of contaminants in soil. A downwind location was selected to draw a Draeger tube to monitor for benzene emissions from the excavation activities. All downwind monitoring was compared to an action level of 1 part per million. Throughout the monitoring period, there were no occurrences of degraded ambient air quality greater than the action level benzene monitoring that indicated a release of benzene vapors from the site. The Air Monitoring Plan allowed for discontinuing the benzene monitoring after one week of monitoring if benzene emissions did not exceed the action level of 1 part per million. CRA performed air monitoring for benzene for two weeks, did not observe any exceedance of the action level, and then discontinued the benzene monitoring.

A figure identifying the CRA air monitoring locations and the recorded monitoring results are provided in Appendix E. A report of the result from the Burns & McDonnell air monitoring activity is also included in Appendix E.

Water was applied to site haul roads as necessary to control dust. A water spray was applied to the concrete crushing to control dust. Laborers occasionally wore particulate fitter masks when completing dusty tasks.

7.9 METEOROLOGICAL MONITORING

Meteorological monitoring of air and weather conditions at the Site occurred on a daily basis. Monitoring included recording weather conditions, temperature, and wind direction during the air monitoring events. The recorded data is provided in Appendix E as a part of the air monitoring logs.

7.10 CHANGES TO ORIGINAL SCOPE OF WORK

During the course of the project, situations were encountered that required changes to the original Scope of Work. These situations included:

- Substitution of 6-inches of placed stone south of Larsen Marine's facility for 6-inches of topsoil with tallgrass.
- Discovery of an unknown process vessel prompted an additional remedial action removal.
- Discovery of possible asbestos containing floor tile hidden under carpeting in the IT Building was disposed of as if it contained asbestos.
- Deletion of a segregation of soils into Category 3a and Category 3b soils.
- Free product release volumes that were less than expected, coupled with efficient site water management practices resulted in no onsite treatment of liquids during soil removal activities.
- A sample of the dredge spoil fill (OSB pile) was analyzed at the request of the City of Waukegan. This sample is reported as sample PP-601 in Table 4.3.
- Additional chemical control was required for invasive weeds in topsoil and vegetative cover.

As each situation was encountered, appropriate plans were made and reviewed with the U.S. EPA field representative to ensure that the plans conformed to the Consent Decree and the Work Plan.

8.0 PROJECT CLOSEOUT

The purpose of this section is to summarize the project closeout activities associated with the Waukegan Manufactured Gas and Coke Plant Site Remedial Action.

Project closeout activities included the following:

- Site restoration (final grading, cleaning and staging);
- decontaminating (as needed) and demobilizing vehicles, equipment, decontamination wastewater storage tank, Site trailers, and personnel; and
- disconnecting utilities.

Site restoration included placement of topsoil and planting tallgrass. Decontamination and demobilization of equipment utilized on-Site was initiated following the completion of activities associated with each piece of equipment. Demobilization activities were completed by November 2005.

9.0 CONSTRUCTION INSPECTION MEETINGS

9.1 PRE- CONSTRUCTION MEETING

A Pre-Construction meeting was held at the Site on November 17, 2005. The meeting included representatives of the U.S.EPA, IEPA, CH₂M Hill, the Performing Responding Defendants group, CRA, and SES. The Pre-Construction meeting Minutes are presented in Appendix G.

9.2 CONSTRUCTION PROGRESS MEETINGS

Construction Progress Meetings were held at the Site on January 11, 2005, January 27, 2005, February 24, 2005, March 17, 2005, March 31, 2005, April 28, 2005 and June 9, 2005. The meetings were open to representatives of the U.S.EPA, IEPA, CH₂M Hill, the Performing Responding Defendants group, the City of Waukegan, CRA and SES. Handouts were presented at the meetings to illustrate construction progress. The handouts are not reproduced as part of this report as all of the information are portions of the information contained within the appendices of this report.

9.3 PRE-FINAL CONSTRUCTION INSPECTION

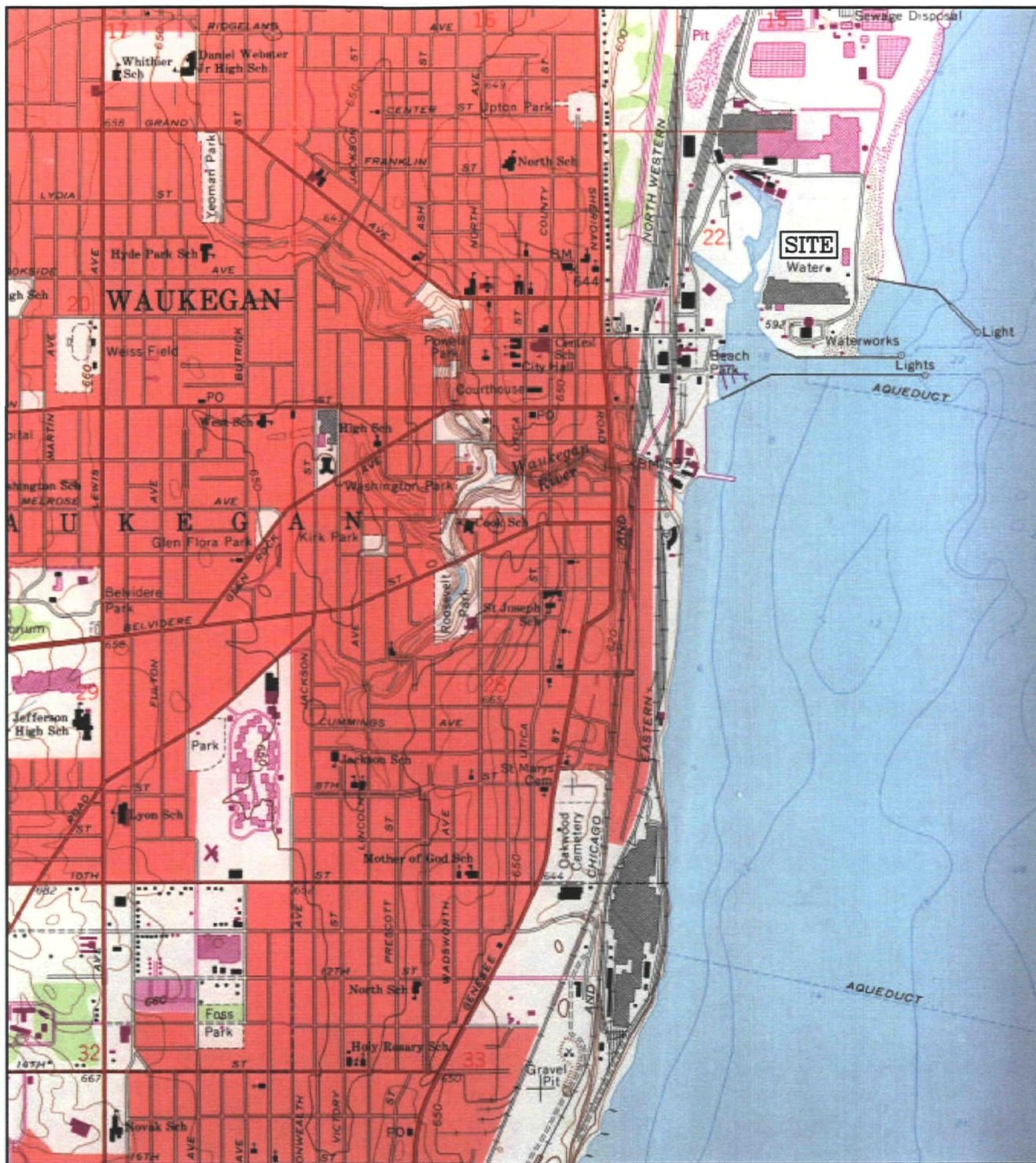
U.S. EPA, IEPA, CH₂M Hill, and CRA conducted a pre-final inspection of the Site on August 18, 2005. It was determined that satisfactory completion of the Waukegan Manufactured Gas and Coke Plant Remedial Action as defined in the Final Design had been achieved, with the exception of minor construction and restoration tasks and final demobilization. Remaining work on the site included the following items:

1. Topsoil - a small amount of topsoil is required around a surveyors temporary bench mark north of the former process vessel location.
2. Debris Removal - a small pile of debris near the northeast corner of the Designated Soil Stockpile area and a larger pile of debris east of the On-Site Borrow area need to be removed.
3. Fence - fence installation must be completed along Sea Horse Drive and on the north edge of the BRP parking lot.
4. Catchbasin covers - solid lids required for catchbasins in former OMC parking lot.

5. CA6 - Stone - 6 inches of stone required in area of tree removal as described in CRA's July 18, 2005 letter to Kevin Adler.
6. Stormwater Vault - precast lid on vault requires mortar to secure lid in place.
7. Removals - storage shed, temporary electric service panel, portable toilet and SES mailbox and sign to be removed. Please note that removal of the OMC IT Building transformer is beyond control of the Performing Settling Defendants. A request has been made to Commonwealth Edison to remove the transformer. The No Trespassing signs will remain on the fence until completion of the Groundwater Remedy.
8. Tall grass - seeding must be completed.

9.4 FINAL CONSTRUCTION INSPECTION

U.S. EPA, CH₂MHill, City of Waukegan, and CRA conducted a final inspection of the Site on November 30, 2005. This inspection verified that all the remaining work items identified during the Pre-final Inspection had been satisfactorily completed.



BASE SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE;
WAUKEGAN, ILLINOIS 1960

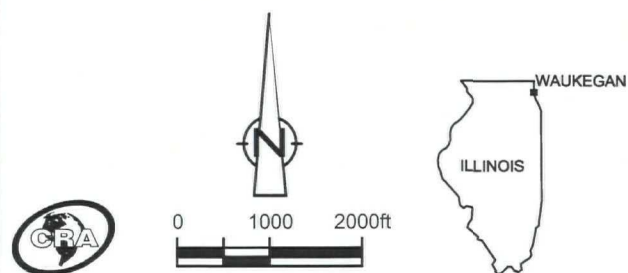




figure 1.1

SITE LOCATION
WAUKEGAN COKE & GAS PLANT
Waukegan, Illinois



No		Revision		Date		Initial		SCALE VERIFICATION		WAUKEGAN COKE & GAS PLANT WAUKEGAN, ILLINOIS		 CONESTOGA-ROVERS & ASSOCIATES	
								THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.					
													
									Approved			Source Reference:	
										WAUKEGAN COKE & GAS PLANT		Project Manager:	
										SIDEWALL SAMPLE LOCATIONS		T. LEO	
												Reviewed By:	
												P. PATHAK	
												Date:	
												6/03/05	
												Scale:	
												AS SHOWN	
												Project No:	
												19023-00	
												Report No:	
												016	
												Drawing No:	
												figure 4.1	

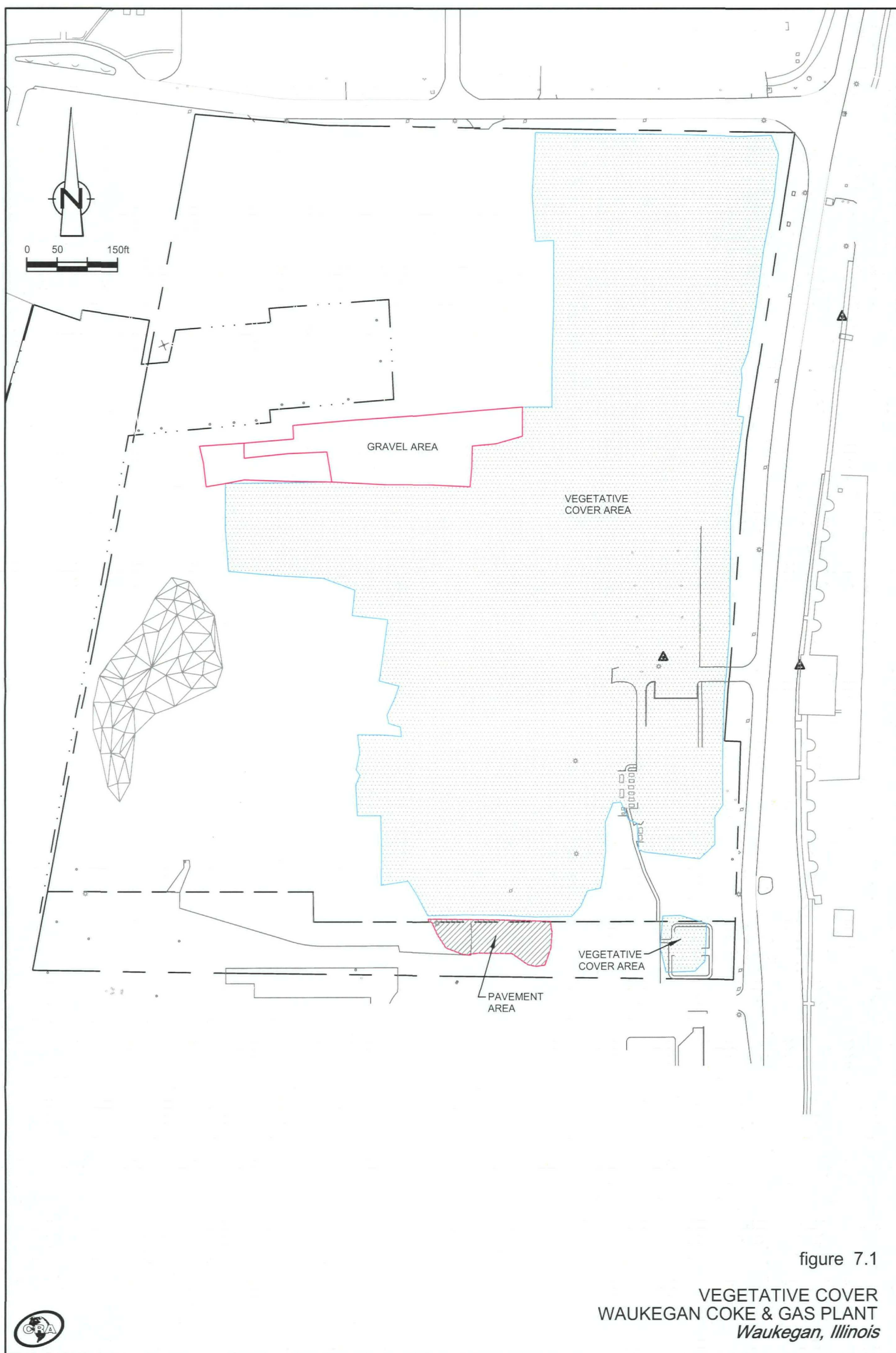


figure 7.1

VEGETATIVE COVER
WAUKEGAN COKE & GAS PLANT
Waukegan, Illinois



TABLE 1.1
SOIL CLEANUP LEVELS
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>TCLP Threshold Value</i>	<i>Units</i>
Arsenic	639	(mg/kg)
Benzo(b)fluoranthene	1160000	(µg/kg)
Benzo(a)pyrene	116000	(µg/kg)
Dibenzo(a,h)anthracene	116000	(µg/kg)
Dibenzofuran	5390000	(µg/kg)
Indeno(1,2,3 - cd)pyrene	1160000	(µg/kg)
4 - Methylphenol	6738000	(µg/kg)
Naphthalene	2240000	(µg/kg)
Benzo(a)anthracene	1160000	(µg/kg)

TABLE 2.1

**CHRONOLOGICAL SUMMARY OF REMOVAL ACTIVITIES
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Activity</i>
November 2004	SES Mobilize to Site
November 17, 2004	Pre-Construction Meeting
November 22, 2004	SES surveyor on-Site to layout work areas
November 24, 2004	Begin clear and grub activities
November 29, 2004	Begin fence removal in work areas
December 1, 2004	Clear and Grub decontamination pad area
December 2, 2004	Initiate soil excavation, Category 1 and Category 2 stockpiling
December 6, 2004	Initiate access road construction
December 7, 2004	Initiate shipment of truckloads of Category 1 soils to Colmac in Pennsylvania
December 9, 2004	Initiate collection of sidewall sample collection
December 15, 2004	Pour concrete for decontamination pad
December 17, 2004	Holiday shutdown
January 4, 2005	Initiate building demolition activities
January 12, 2005	Initiate Category 2 and Category 3 stockpile sampling
January 12, 2005	Initiate monitoring well abandonment activities
January 21, 2005	Initiate shipment of truckloads of Category 2 soils to ONYX-Zion landfill
January 25, 2005	IT Building asbestos removal activities initiated
January 28, 2005	Ship materials from DSS Pile to ONYX-Zion landfill
February 7, 2005	Begin to break concrete debris for use as backfill materials
February 11, 2005	Prepare area for water treatment plant construction
February 18, 2005	Begin excavation of Arsenic contaminated soils
February 21, 2005	Demolition of small office building begins
February 22, 2005	Begin shipment of Category 1 soils to Sunnyside, Utah
February 23, 2005	Sawcut BRP parking lot prior to excavation in parking lot area
March 8, 2005	Remove floor slab of IT building
March 24, 2005	Clear and grub on-Site Soil Borrow Pile
March 29, 2005	Import granular fill materials for excavation in BRP parking lot
April 1, 2005	Assembly of water treatment plant begins
April 1, 2005	Compaction testing initiated

TABLE 2.1

**CHRONOLOGICAL SUMMARY OF REMOVAL ACTIVITIES
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Activity</i>
April 14, 2005	Begin over excavation of sidewall sample failures
April 18, 2005	Initiate backfilling of excavations below the watertable
April 26, 2005	Initiate backfilling of excavations above the watertable with on-Site Borrow Soils
April 29, 2005	Remove concrete driveway to IT building and parking area
May 11, 2005	Excavate soils to search for suspected deep well – no well found
May 13, 2005	Transport Category 2 soils to Waste Management-CID facility
May 20, 2005	SES surveyor layout areas for topsoil placement
June 1, 2005	Import topsoil materials
June 3, 2005	Expose large process vessel
June 9, 2005	Import sand for placement above on-Site Borrow Soils
June 28, 2005	Prepare to place asphalt in BRP parking lot
July 7, 2005	Complete exportation of Category 2 soils to ONYX-Zion landfill
July 13, 2005	Grade placed topsoil to final contours on portions of Site
July 26, 2005	Begin demobilizing office trailers
August 2, 2005	Remove parking lot asphalt surface near IT Building
August 5, 2005	Reshape OSB pile to final contours
August 18, 2005	Pre-Final Site Inspection
September 8, 2005	New fencing installed
November 30, 2005	Final Inspection with USEPA

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		<i>PP-101</i>	<i>PP-102</i>	<i>PP-103</i>	<i>PP-104</i>	<i>PP-105</i>	<i>PP-106</i>	<i>TL-107</i>
Arsenic	639	(mg / kg)	6.2	20.4	16	328	12.4	5.1	6.2
Benzo(b)fluoranthene	1160000	(µg / kg)	10000	ND(400)	1400	1000	1100	2200	ND(3700)
Benzo(a)pyrene	116000	(µg / kg)	6500	ND(400)	1000	ND(880)	ND(860)	2300	ND(3700)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(4000)	ND(400)	ND(830)	ND(880)	ND(860)	ND(1000)	ND(3700)
Dibenzofuran	5390000	(µg / kg)	ND(4000)	ND(400)	ND(830)	ND(880)	ND(860)	ND(1000)	ND(3700)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(4000)	ND(400)	ND(830)	ND(880)	ND(860)	ND(1000)	ND(3700)
4 - Methylphenol	6738000	(µg / kg)	ND(4000)	ND(400)	1600	2800	ND(860)	ND(1000)	ND(3700)
Naphthalene	2240000	(µg / kg)	ND(4000)	420	1400	2700	ND(860)	ND(1000)	ND(3700)
Benzo(a)anthracene	1160000	(µg / kg)	8900	ND(400)	1900	930	890	1500	ND(3700)
			<i>TL-109</i>	<i>TL-110</i>	<i>TL-111</i>	<i>TL-112</i>	<i>TL-113</i>	<i>TL-114</i>	<i>TL-115</i>
Arsenic	639	(mg / kg)	8.2	46.9	53	29.5	69.4	129	54.2
Benzo(b)fluoranthene	1160000	(µg / kg)	2000000	ND(390)	ND(380)	ND(380)	ND(380)	3600	5900
Benzo(a)pyrene	116000	(µg / kg)	1700000	ND(390)	ND(380)	ND(380)	ND(380)	1600	3500
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(940000)	ND(390)	ND(380)	ND(380)	ND(380)	ND(760)	ND(1900)
Dibenzofuran	5390000	(µg / kg)	2300000	ND(390)	ND(380)	ND(380)	ND(380)	ND(760)	ND(1900)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(940000)	ND(390)	ND(380)	ND(380)	ND(380)	1100	1900
4 - Methylphenol	6738000	(µg / kg)	1400000	ND(390)	ND(380)	ND(380)	ND(380)	ND(760)	ND(1900)
Naphthalene	2240000	(µg / kg)	13000000	ND(390)	ND(380)	ND(380)	ND(380)	ND(760)	ND(1900)
Benzo(a)anthracene	1160000	(µg / kg)	2600000	ND(390)	ND(380)	ND(380)	ND(380)	2800	6200

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		<i>TL-108</i>	<i>TL-117</i>	<i>TL-118</i>	<i>TL-119</i>	<i>TL-120</i>	<i>TL-121</i>	<i>TL-122</i>
Arsenic	639	(mg / kg)	10.7	81.4	545	65.9	31.8	11.9	129
Benzo(b)fluoranthene	1160000	(µg / kg)	11000	1600	1700	2900	3000	ND(380)	4500
Benzo(a)pyrene	116000	(µg / kg)	5800	690	930	1500	1700	ND(380)	2600
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(2900)	ND(380)	ND(740)	ND(890)	ND(900)	ND(380)	ND(1600)
Dibenzofuran	5390000	(µg / kg)	ND(2900)	ND(380)	ND(740)	ND(890)	ND(900)	ND(380)	4800
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(2900)	600	830	960	1200	ND(380)	1600
4 - Methylphenol	6738000	(µg / kg)	7600	ND(380)	ND(740)	ND(890)	ND(900)	ND(380)	ND(1600)
Naphthalene	2240000	(µg / kg)	5100	430	990	1500	2000	ND(380)	46000
Benzo(a)anthracene	1160000	(µg / kg)	9000	ND(380)	1600	ND(890)	ND(900)	760	4100
			<i>TL-116</i>	<i>TL-125</i>	<i>TL-126</i>	<i>TL-127</i>	<i>TL-128</i>	<i>TL-129</i>	<i>TL-130</i>
Arsenic	639	(mg / kg)	83.4	43.8	28.7	178	31.9	596	97.1
Benzo(b)fluoranthene	1160000	(µg / kg)	2100	10000	4100	480	2700	4800	6800
Benzo(a)pyrene	116000	(µg / kg)	1200	6300	1800	ND(410)	1800	3500	ND(3700)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(750)	ND(2400)	ND(1000)	ND(410)	ND(720)	ND(1600)	ND(3700)
Dibenzofuran	5390000	(µg / kg)	ND(750)	ND(2400)	ND(1000)	ND(410)	ND(720)	5600	13000
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(750)	3300	1100	ND(410)	1100	2100	ND(3700)
4 - Methylphenol	6738000	(µg / kg)	ND(750)	ND(2400)	ND(1000)	ND(410)	ND(720)	ND(1600)	ND(3700)
Naphthalene	2240000	(µg / kg)	ND(750)	ND(2400)	ND(1000)	ND(410)	ND(720)	35000	490000
Benzo(a)anthracene	1160000	(µg / kg)	1700	9500	3100	1000	2100	4300	6500

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		<i>TL-123</i>	<i>TL-124</i>	<i>PP-133</i>	<i>PP-134</i>	<i>PP-135</i>	<i>PP-136</i>	<i>PP-137</i>
Arsenic	639	(mg / kg)	196	98.1	373	226	343	544	335
Benzo(b)fluoranthene	1160000	(µg / kg)	5400	6600	ND(400)	ND(430)	ND(160000)	ND(380)	ND(1400)
Benzo(a)pyrene	116000	(µg / kg)	3100	3700	ND(400)	ND(430)	ND(160000)	ND(380)	ND(1400)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(1500)	ND(1500)	ND(400)	ND(430)	ND(160000)	ND(380)	ND(1400)
Dibenzofuran	5390000	(µg / kg)	ND(1500)	ND(1500)	ND(400)	ND(430)	ND(160000)	ND(380)	ND(1400)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	3900	2400	ND(400)	ND(430)	ND(160000)	ND(380)	ND(1400)
4 - Methylphenol	6738000	(µg / kg)	ND(1500)	ND(1500)	ND(400)	ND(430)	ND(160000)	ND(380)	ND(1400)
Naphthalene	2240000	(µg / kg)	33000	2300	4600	ND(430)	2100000	ND(380)	ND(1400)
Benzo(a)anthracene	1160000	(µg / kg)	1600	4900	ND(400)	ND(430)	ND(160000)	ND(380)	ND(1400)
			<i>PP-131</i>	<i>PP-132</i>	<i>PP-141</i>	<i>PP-142</i>	<i>PP-143</i>	<i>PP-144</i>	<i>PP-145</i>
Arsenic	639	(mg / kg)	65.3	175	23.9	11.3	34.4	12.8	61.8
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(410)	ND(430000)	3900	37000	5500	ND(390)	ND(400)
Benzo(a)pyrene	116000	(µg / kg)	ND(410)	ND(430000)	2500	26000	4100	ND(390)	ND(400)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(410)	ND(430000)	ND(1600)	ND(9600)	ND(2100)	ND(390)	ND(400)
Dibenzofuran	5390000	(µg / kg)	ND(410)	ND(430000)	ND(1600)	ND(9600)	ND(2100)	ND(390)	ND(400)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(410)	ND(430000)	ND(1600)	14000	2100	ND(390)	ND(400)
4 - Methylphenol	6738000	(µg / kg)	ND(410)	ND(430000)	ND(1600)	ND(9600)	ND(2100)	ND(390)	ND(400)
Naphthalene	2240000	(µg / kg)	ND(410)	34000000	1800	ND(9600)	3300	ND(390)	ND(400)
Benzo(a)anthracene	1160000	(µg / kg)	ND(410)	ND(430000)	2800	26000	5000	ND(390)	ND(400)

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		<i>PP-138</i>	<i>PP-139</i>	<i>PP-140</i>	<i>PP-149</i>	<i>PP-150</i>	<i>PP-151</i>	<i>PP-152</i>
Arsenic	639	(mg / kg)	78.9	31.6	87.1	13	30.3	8.8	4.2
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(370)	ND(360)	700	490	ND(8900)	ND(490)	ND(430)
Benzo(a)pyrene	116000	(µg / kg)	ND(370)	ND(360)	430	ND(430)	ND(8900)	ND(490)	ND(430)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(370)	ND(360)	ND(400)	ND(430)	ND(8900)	ND(490)	ND(430)
Dibenzofuran	5390000	(µg / kg)	ND(370)	ND(360)	ND(400)	ND(430)	ND(8900)	ND(490)	ND(430)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(370)	ND(360)	ND(400)	ND(430)	ND(8900)	ND(490)	ND(430)
4 - Methylphenol	6738000	(µg / kg)	ND(370)	ND(360)	ND(400)	ND(430)	ND(8900)	ND(490)	ND(430)
Naphthalene	2240000	(µg / kg)	ND(370)	ND(360)	ND(400)	ND(430)	ND(8900)	ND(490)	ND(430)
Benzo(a)anthracene	1160000	(µg / kg)	ND(370)	ND(360)	570	ND(430)	ND(8900)	ND(490)	ND(430)
			<i>PP-146</i>	<i>PP-147</i>	<i>PP-148</i>	<i>PP-157</i>	<i>PP-158</i>	<i>PP-159</i>	<i>PP-160</i>
Arsenic	639	(mg / kg)	26.7	12.6	271	3.1	1.6	6	72.7
Benzo(b)fluoranthene	1160000	(µg / kg)	2700	ND(1600)	410	ND(360)	ND(350)	ND(380)	25000
Benzo(a)pyrene	116000	(µg / kg)	1700	ND(1600)	ND(360)	ND(360)	ND(350)	ND(380)	19000
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(390)	ND(1600)	ND(360)	ND(360)	ND(350)	ND(380)	ND(9200)
Dibenzofuran	5390000	(µg / kg)	ND(390)	ND(1600)	ND(360)	ND(360)	ND(350)	ND(380)	ND(9200)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	710	ND(1600)	ND(360)	ND(360)	ND(350)	ND(380)	9200
4 - Methylphenol	6738000	(µg / kg)	ND(390)	ND(1600)	ND(360)	ND(360)	ND(350)	ND(380)	ND(9200)
Naphthalene	2240000	(µg / kg)	4300	ND(1600)	ND(360)	ND(360)	ND(350)	ND(380)	ND(9200)
Benzo(a)anthracene	1160000	(µg / kg)	1900	ND(1600)	ND(360)	ND(360)	370	ND(380)	29000

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		<i>PP-153</i>	<i>PP-154</i>	<i>PP-155</i>	<i>PP-156</i>	<i>PP-165</i>	<i>PP-166</i>	<i>PP-167</i>
Arsenic	639	(mg / kg)	8.1	1.8	3	6.1	271	303	23.0
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(430)	ND(400)	ND(410)	ND(390)	1200	2400	1500
Benzo(a)pyrene	116000	(µg / kg)	ND(430)	ND(400)	ND(410)	ND(390)	760	1200	ND(850)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(430)	ND(400)	ND(410)	ND(390)	ND(390)	ND(760)	ND(850)
Dibenzofuran	5390000	(µg / kg)	ND(430)	ND(400)	ND(410)	ND(390)	ND(390)	ND(760)	ND(850)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(430)	ND(400)	ND(410)	ND(390)	580	1400	ND(850)
4 - Methylphenol	6738000	(µg / kg)	ND(430)	ND(400)	ND(410)	ND(390)	ND(390)	ND(760)	ND(850)
Naphthalene	2240000	(µg / kg)	ND(430)	ND(400)	ND(410)	ND(390)	ND(390)	3100	ND(850)
Benzo(a)anthracene	1160000	(µg / kg)	ND(430)	ND(400)	ND(410)	ND(390)	840	1100	1300
			<i>PP-161</i>	<i>PP-162</i>	<i>PP-163</i>	<i>PP-164</i>	<i>PP-173</i>	<i>PP-174</i>	<i>PP-175</i>
Arsenic	639	(mg / kg)	5.8	162	26.8	215	6.6	30.4	3.9
Benzo(b)fluoranthene	1160000	(µg / kg)	3400	ND(20000)	ND(88000)	7400	440	4700	24000
Benzo(a)pyrene	116000	(µg / kg)	2900	ND(20000)	ND(88000)	3800	ND(390)	3200	16000
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(1500)	ND(20000)	ND(88000)	ND(1500)	ND(390)	ND(1800)	ND(7200)
Dibenzofuran	5390000	(µg / kg)	ND(1500)	ND(20000)	ND(88000)	ND(1500)	ND(390)	ND(1800)	ND(7200)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(1500)	ND(20000)	ND(88000)	2400	ND(390)	2000	8500
4 - Methylphenol	6738000	(µg / kg)	ND(1500)	ND(20000)	ND(88000)	ND(1500)	ND(390)	4300	ND(7200)
Naphthalene	2240000	(µg / kg)	ND(1500)	92000	790000	ND(1500)	ND(390)	2300	ND(7200)
Benzo(a)anthracene	1160000	(µg / kg)	3900	ND(20000)	ND(88000)	2800	ND(390)	3400	18000

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		<i>PP-168</i>	<i>PP-169</i>	<i>PP-170</i>	<i>PP-171</i>	<i>PP-172</i>	<i>PP-181</i>	<i>PP-182</i>
Arsenic	639	(mg / kg)	277	190	889	73.0	5.9	3.7	2.6
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(18000)	ND(15000)	ND(7900)	3100	ND(400)	2600	4300
Benzo(a)pyrene	116000	(µg / kg)	ND(18000)	ND(15000)	ND(7900)	1700	ND(400)	1500	2800
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(18000)	ND(15000)	ND(7900)	ND(870)	ND(400)	ND(780)	ND(1600)
Dibenzofuran	5390000	(µg / kg)	ND(18000)	ND(15000)	ND(7900)	ND(870)	ND(400)	ND(780)	ND(1600)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(18000)	ND(15000)	ND(7900)	1200	ND(400)	840	ND(1600)
4 - Methylphenol	6738000	(µg / kg)	ND(18000)	ND(15000)	ND(7900)	1200	ND(400)	ND(780)	ND(1600)
Naphthalene	2240000	(µg / kg)	70000	36000	25000	1300	ND(400)	ND(780)	ND(1600)
Benzo(a)anthracene	1160000	(µg / kg)	ND(18000)	ND(15000)	ND(7900)	1800	ND(400)	1800	4500
			<i>PP-176</i>	<i>PP-177</i>	<i>PP-178</i>	<i>PP-179</i>	<i>PP-180</i>	<i>PP-189</i>	<i>PP-190</i>
Arsenic	639	(mg / kg)	3.2	3.8	1.4	1.8	7.0	6.1	17.8
Benzo(b)fluoranthene	1160000	(µg / kg)	58000	48000	92000	34000	2500	3200	1500
Benzo(a)pyrene	116000	(µg / kg)	36000	29000	58000	21000	1500	2400	970
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(18000)	ND(15000)	ND(27000)	ND(8500)	ND(900)	ND(940)	ND(410)
Dibenzofuran	5390000	(µg / kg)	ND(18000)	ND(15000)	ND(27000)	ND(8500)	ND(900)	1200	ND(410)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	19000	15000	38000	11000	ND(900)	1100	610
4 - Methylphenol	6738000	(µg / kg)	ND(18000)	ND(15000)	ND(27000)	ND(8500)	ND(900)	ND(940)	ND(410)
Naphthalene	2240000	(µg / kg)	ND(18000)	ND(15000)	ND(27000)	ND(8500)	ND(900)	1600	610
Benzo(a)anthracene	1160000	(µg / kg)	51000	37000	82000	29000	2400	3200	1300

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		<i>PP-183</i>	<i>PP-184</i>	<i>PP-185</i>	<i>PP-186</i>	<i>PP-187</i>	<i>PP-188</i>	<i>PP-197</i>
Arsenic	639	(mg / kg)	2.3	2.3	2.2	4.9	1.7	2.4	14.4
Benzo(b)fluoranthene	1160000	(µg / kg)	2000	23000	40000	ND(2000)	4100	410	2500
Benzo(a)pyrene	116000	(µg / kg)	1100	14000	24000	ND(2000)	2400	ND(390)	1300
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(780)	ND(7500)	ND(11000)	ND(2000)	ND(1400)	ND(390)	ND(790)
Dibenzofuran	5390000	(µg / kg)	ND(780)	ND(7500)	ND(11000)	ND(2000)	ND(1400)	ND(390)	ND(790)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(780)	7800	12000	ND(2000)	ND(1400)	ND(390)	940
4 - Methylphenol	6738000	(µg / kg)	ND(780)	ND(7500)	ND(11000)	ND(2000)	ND(1400)	ND(390)	ND(790)
Naphthalene	2240000	(µg / kg)	ND(780)	ND(7500)	ND(11000)	ND(2000)	ND(1400)	ND(390)	ND(790)
Benzo(a)anthracene	1160000	(µg / kg)	1400	18000	36000	ND(2000)	3100	ND(390)	2000
			<i>PP-191</i>	<i>PP-192</i>	<i>PP-193</i>	<i>PP-194</i>	<i>PP-195</i>	<i>PP-196</i>	<i>PP-205</i>
Arsenic	639	(mg / kg)	166	56.8	4.3	23.4	23.4	31.4	8.0
Benzo(b)fluoranthene	1160000	(µg / kg)	450	ND(190000)	2200	5700	13000	9200	1800
Benzo(a)pyrene	116000	(µg / kg)	ND(390)	ND(190000)	1400	4100	9600	5500	1000
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(390)	ND(190000)	ND(730)	ND(1600)	ND(4400)	ND(2700)	ND(870)
Dibenzofuran	5390000	(µg / kg)	ND(390)	ND(190000)	ND(730)	ND(1600)	5600	ND(2700)	ND(870)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(390)	ND(190000)	790	2300	5400	3600	ND(870)
4 - Methylphenol	6738000	(µg / kg)	ND(390)	ND(190000)	ND(730)	ND(1600)	ND(4400)	ND(2700)	ND(870)
Naphthalene	2240000	(µg / kg)	ND(390)	760000	ND(730)	ND(1600)	20000	4700	ND(870)
Benzo(a)anthracene	1160000	(µg / kg)	410	ND(190000)	1600	5100	12000	7200	1300

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		<i>PP-198</i>	<i>PP-199</i>	<i>PP-200</i>	<i>PP-201</i>	<i>PP-202</i>	<i>PP-203</i>	<i>PP-204</i>
Arsenic	639	(mg / kg)	64.2	52.2	39.5	60.1	26.9	11.6	11.5
Benzo(b)fluoranthene	1160000	(µg / kg)	150000	ND(540)	ND(460)	ND(370)	380	760	ND(3600)
Benzo(a)pyrene	116000	(µg / kg)	ND(110000)	ND(540)	ND(460)	ND(370)	ND(360)	470	ND(3600)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(110000)	ND(540)	ND(460)	ND(370)	ND(360)	ND(430)	ND(3600)
Dibenzofuran	5390000	(µg / kg)	ND(110000)	ND(540)	ND(460)	ND(370)	ND(360)	ND(430)	ND(3600)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(110000)	ND(540)	ND(460)	ND(370)	ND(360)	ND(430)	ND(3600)
4 - Methylphenol	6738000	(µg / kg)	ND(110000)	ND(540)	ND(460)	ND(370)	ND(360)	ND(430)	ND(3600)
Naphthalene	2240000	(µg / kg)	380000	580	ND(460)	ND(370)	ND(360)	ND(430)	ND(3600)
Benzo(a)anthracene	1160000	(µg / kg)	160000	ND(540)	ND(460)	ND(370)	370	510	ND(3600)
			<i>PP-206</i>	<i>PP-207</i>	<i>PP-208</i>	<i>PP-209</i>	<i>PP-210</i>	<i>PP-211</i>	<i>PP-212</i>
Arsenic	639	(mg / kg)	44.8	23.2	15.5	5860	110	24.7	378
Benzo(b)fluoranthene	1160000	(µg / kg)	8300	490	2800	3400	ND(450)	ND(2800)	ND(500)
Benzo(a)pyrene	116000	(µg / kg)	6100	ND(470)	1900	2200	ND(450)	ND(2800)	ND(500)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(2500)	ND(470)	ND(1500)	ND(1600)	ND(450)	ND(2800)	ND(500)
Dibenzofuran	5390000	(µg / kg)	4300	ND(470)	ND(1500)	ND(1600)	ND(450)	2800	ND(500)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	3000	ND(470)	ND(1500)	ND(1600)	ND(450)	ND(2800)	ND(500)
4 - Methylphenol	6738000	(µg / kg)	ND(2500)	ND(470)	ND(1500)	ND(1600)	ND(450)	ND(2800)	ND(500)
Naphthalene	2240000	(µg / kg)	21000	ND(470)	4600	3000	ND(450)	7200	ND(500)
Benzo(a)anthracene	1160000	(µg / kg)	8000	ND(470)	2500	2300	ND(450)	ND(2800)	ND(500)

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		<i>PP-213</i>	<i>PP-214</i>	<i>PP-215</i>	<i>PP-216</i>	<i>PP-217</i>	<i>PP-218</i>	<i>PP-219</i>
Arsenic	639	(mg / kg)	7.2	208	206	2.8	4.1	4.5	4.3
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(510)	ND(390)	ND(400)	ND(380)	900	4200	ND(9300)
Benzo(a)pyrene	116000	(µg / kg)	ND(510)	ND(390)	ND(400)	ND(380)	ND(750)	ND(1900)	ND(9300)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(510)	ND(390)	ND(400)	ND(380)	ND(750)	ND(1900)	ND(9300)
Dibenzofuran	5390000	(µg / kg)	ND(510)	ND(390)	ND(400)	ND(380)	1400	ND(1900)	ND(9300)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(510)	ND(390)	ND(400)	ND(380)	ND(750)	2200	ND(9300)
4 - Methylphenol	6738000	(µg / kg)	ND(510)	ND(390)	ND(400)	ND(380)	ND(750)	ND(1900)	ND(9300)
Naphthalene	2240000	(µg / kg)	2200	ND(390)	ND(400)	ND(380)	ND(750)	ND(1900)	21000
Benzo(a)anthracene	1160000	(µg / kg)	ND(510)	ND(390)	ND(400)	ND(380)	ND(750)	ND(1900)	ND(9300)
Resample of TL-129									
			<i>PP-221</i>	<i>PP-222</i>	<i>PP-223</i>	<i>PP-224</i>	<i>PP-225</i>	<i>PP-226</i>	<i>PP-227</i>
Arsenic	639	(mg / kg)	26.1	676	8.8	237	110	24.8	313
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(12000)	ND(21000)	ND(410)	210000	5500	3000	NA
Benzo(a)pyrene	116000	(µg / kg)	ND(12000)	ND(21000)	ND(410)	210000	4300	2100	NA
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(12000)	ND(21000)	ND(410)	ND(46000)	ND(2300)	ND(1700)	NA
Dibenzofuran	5390000	(µg / kg)	12000	ND(21000)	ND(410)	85000	2600	ND(1700)	NA
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(12000)	ND(21000)	ND(410)	98000	ND(2300)	ND(1700)	NA
4 - Methylphenol	6738000	(µg / kg)	ND(12000)	ND(21000)	ND(410)	ND(46000)	ND(2300)	ND(1700)	NA
Naphthalene	2240000	(µg / kg)	38000	43000	480	190000	5800	3900	NA
Benzo(a)anthracene	1160000	(µg / kg)	ND(12000)	ND(21000)	ND(410)	230000	6200	2600	NA

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		<i>PP-220</i>	<i>PP-229</i>	<i>PP-230</i>	<i>PP-231</i>	<i>PP-232</i>	<i>PP-233</i>	<i>PP-234</i>
Arsenic	639	(mg / kg)	36.2	1.1	11.0	5.0	109	257	14.7
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(3100000)	ND(360)	14000	ND(18000)	ND(4000)	29000	2200
Benzo(a)pyrene	116000	(µg / kg)	ND(3100000)	ND(360)	9700	ND(18000)	ND(4000)	22000	ND(1700)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(3100000)	ND(360)	ND(7200)	ND(18000)	ND(4000)	ND(20000)	ND(1700)
Dibenzofuran	5390000	(µg / kg)	ND(3100000)	ND(360)	ND(7200)	70000	ND(4000)	ND(20000)	ND(1700)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(3100000)	ND(360)	ND(7200)	ND(18000)	ND(4000)	ND(20000)	ND(1700)
4 - Methylphenol	6738000	(µg / kg)	ND(3100000)	ND(360)	ND(7200)	ND(18000)	ND(4000)	ND(20000)	ND(1700)
Naphthalene	2240000	(µg / kg)	58000000	ND(360)	17000	2400000	6100	ND(20000)	ND(1700)
Benzo(a)anthracene	1160000	(µg / kg)	ND(3100000)	ND(360)	13000	ND(18000)	ND(4000)	30000	ND(1700)
			<i>PP-228</i>	<i>PP-237</i>	<i>PP-238</i>	<i>PP-239</i>	<i>PP-240</i>	<i>PP-241</i>	<i>PP-242</i>
Arsenic	639	(mg / kg)	4.5	219	2420	311	3.1	2.1	2.5
Benzo(b)fluoranthene	1160000	(µg / kg)	790	ND(170000)	ND(290000)	ND(160000)	4800	390	ND(8700)
Benzo(a)pyrene	116000	(µg / kg)	ND(710)	ND(170000)	ND(290000)	ND(160000)	2300	ND(340)	ND(8700)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(710)	ND(170000)	ND(290000)	ND(160000)	ND(1800)	ND(340)	ND(8700)
Dibenzofuran	5390000	(µg / kg)	ND(710)	230000	340000	ND(160000)	ND(1800)	ND(340)	13000
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(710)	ND(170000)	ND(290000)	ND(160000)	1800	ND(340)	ND(8700)
4 - Methylphenol	6738000	(µg / kg)	ND(710)	ND(170000)	ND(290000)	ND(160000)	ND(1800)	ND(340)	ND(8700)
Naphthalene	2240000	(µg / kg)	ND(710)	730000	10000000	1400000	ND(1800)	ND(340)	25000
Benzo(a)anthracene	1160000	(µg / kg)	ND(710)	ND(170000)	ND(290000)	ND(160000)	3300	ND(340)	ND(8700)

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		<i>PP-235</i>	<i>PP-236</i>	<i>PP-245</i>	<i>PP-246</i>	<i>PP-247</i>	<i>PP-248</i>	<i>PP-249</i>
Arsenic	639	(mg / kg)	66.5	241	28.5	41.5	308	147	6.7
Benzo(b)fluoranthene	1160000	(µg / kg)	1900	8500	ND(19000)	ND(39000)	ND(1600)	ND(8000)	ND(160000)
Benzo(a)pyrene	116000	(µg / kg)	1000	6700	ND(19000)	ND(39000)	ND(1600)	ND(8000)	ND(160000)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(860)	ND(5100)	ND(19000)	ND(39000)	ND(1600)	ND(8000)	ND(160000)
Dibenzofuran	5390000	(µg / kg)	ND(860)	ND(5100)	ND(19000)	ND(39000)	ND(1600)	ND(8000)	ND(160000)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(860)	ND(5100)	ND(19000)	ND(39000)	ND(1600)	ND(8000)	ND(160000)
4 - Methylphenol	6738000	(µg / kg)	ND(860)	ND(5100)	ND(19000)	ND(39000)	ND(1600)	ND(8000)	ND(160000)
Naphthalene	2240000	(µg / kg)	ND(860)	ND(5100)	57000	100000	5100	26000	3600000
Benzo(a)anthracene	1160000	(µg / kg)	1300	9000	ND(19000)	ND(39000)	ND(1600)	ND(8000)	ND(160000)
			<i>PP-243</i>	<i>PP-244</i>	<i>PP-253</i>	<i>PP-254</i>	<i>PP-255</i>	<i>PP-256</i>	<i>PP-257</i>
Arsenic	639	(mg / kg)	3.1	17.4	25.8	8.4	14.4	ND(1.5)	9.0
Benzo(b)fluoranthene	1160000	(µg / kg)	1600	ND(370000)	12000	490	ND(1800)	ND(500)	6800
Benzo(a)pyrene	116000	(µg / kg)	1300	ND(370000)	ND(9200)	ND(400)	ND(1800)	ND(500)	4200
Dibenzo(a,h)anthracene	116000	(µg / kg)	430	ND(370000)	ND(9200)	ND(400)	ND(1800)	ND(500)	ND(4000)
Dibenzofuran	5390000	(µg / kg)	ND(360)	ND(370000)	ND(9200)	ND(400)	ND(1800)	ND(500)	ND(4000)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	1100	ND(370000)	ND(9200)	ND(400)	ND(1800)	ND(500)	ND(4000)
4 - Methylphenol	6738000	(µg / kg)	ND(360)	ND(370000)	ND(9200)	ND(400)	ND(1800)	ND(500)	ND(4000)
Naphthalene	2240000	(µg / kg)	1400	370000	ND(9200)	ND(400)	ND(1800)	ND(500)	ND(4000)
Benzo(a)anthracene	1160000	(µg / kg)	910	ND(370000)	12000	500	ND(1800)	ND(500)	6100

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		<i>PP-250</i>	<i>PP-251</i>	<i>PP-252</i>	<i>PP-261</i>	<i>PP-262</i>	<i>PP-263</i>	<i>PP-264</i>
Arsenic	639	(mg / kg)	5.5	39.5	1.8	64.6	7.0	12.6	1.2
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(29000)	ND(150000)	ND(380)	ND(430)	ND(1500)	71000	3000
Benzo(a)pyrene	116000	(µg / kg)	ND(29000)	ND(150000)	ND(380)	ND(430)	ND(1500)	52000	2200
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(29000)	ND(150000)	ND(380)	ND(430)	ND(1500)	ND(21000)	ND(1600)
Dibenzofuran	5390000	(µg / kg)	ND(29000)	260000	ND(380)	ND(430)	ND(1500)	ND(21000)	ND(1600)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(29000)	ND(150000)	ND(380)	ND(430)	ND(1500)	25000	ND(1600)
4 - Methylphenol	6738000	(µg / kg)	ND(29000)	ND(150000)	ND(380)	ND(430)	ND(1500)	ND(21000)	ND(1600)
Naphthalene	2240000	(µg / kg)	470000	2800000	ND(380)	ND(430)	ND(1500)	ND(21000)	ND(1600)
Benzo(a)anthracene	1160000	(µg / kg)	ND(29000)	ND(150000)	ND(380)	ND(430)	ND(1500)	71000	2100
			<i>PP-258</i>	<i>PP-259</i>	<i>PP-260</i>	<i>PP-269</i>	<i>PP-270</i>	<i>PP-271</i>	<i>PP-272</i>
Arsenic	639	(mg / kg)	6.0	35.7	24.0	41.2	33.3	135	101
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(1800)	ND(430)	150000	7000	270000	7200	14000
Benzo(a)pyrene	116000	(µg / kg)	ND(1800)	ND(430)	110000	4700	ND(180000)	4800	9400
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(1800)	ND(430)	ND(75000)	ND(1900)	ND(180000)	ND(2100)	ND(4500)
Dibenzofuran	5390000	(µg / kg)	ND(1800)	ND(430)	80000	ND(1900)	ND(180000)	ND(2100)	ND(4500)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(1800)	ND(430)	ND(75000)	2600	ND(180000)	2400	5000
4 - Methylphenol	6738000	(µg / kg)	ND(1800)	ND(430)	ND(75000)	ND(1900)	ND(180000)	ND(2100)	ND(4500)
Naphthalene	2240000	(µg / kg)	ND(1800)	ND(430)	ND(75000)	ND(1900)	370000	ND(2100)	10000
Benzo(a)anthracene	1160000	(µg / kg)	ND(1800)	ND(430)	160000	6300	290000	8800	14000

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		PP-265	PP-266	PP-267	PP-268	PP-277	PP-278	PP-279
Arsenic	639	(mg / kg)	65.0	37.9	17.8	32.0	521	2320	1330
Benzo(b)fluoranthene	1160000	(µg / kg)	11000	630	1500	27000	440	ND(460)	6100
Benzo(a)pyrene	116000	(µg / kg)	8000	ND(410)	1100	19000	ND(420)	ND(460)	4300
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(3900)	ND(410)	ND(780)	ND(8000)	ND(420)	ND(460)	ND(2000)
Dibenzofuran	5390000	(µg / kg)	ND(3900)	ND(410)	ND(780)	ND(8000)	ND(420)	ND(460)	ND(2000)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(3900)	ND(410)	ND(780)	9500	ND(420)	ND(460)	2000
4 - Methylphenol	6738000	(µg / kg)	ND(3900)	ND(410)	ND(780)	ND(8000)	ND(420)	ND(460)	ND(2000)
Naphthalene	2240000	(µg / kg)	ND(3900)	ND(410)	ND(780)	ND(8000)	ND(420)	ND(460)	ND(2000)
Benzo(a)anthracene	1160000	(µg / kg)	8100	580	1400	26000	ND(420)	ND(460)	5700
			PP-273	PP-274	PP-275	PP-276	PP-286	PP-287	PP-288
Arsenic	639	(mg / kg)	21.3	301	266	482	41.0	631	275
Benzo(b)fluoranthene	1160000	(µg / kg)	6200	4300	2300	430	34000	530	ND(370)
Benzo(a)pyrene	116000	(µg / kg)	4000	2200	1500	ND(390)	24000	ND(380)	ND(370)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(1600)	ND(1500)	ND(750)	ND(390)	ND(7800)	ND(380)	ND(370)
Dibenzofuran	5390000	(µg / kg)	ND(1600)	ND(1500)	ND(750)	ND(390)	ND(7800)	ND(380)	ND(370)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	1900	1500	890	ND(390)	12000	ND(380)	ND(370)
4 - Methylphenol	6738000	(µg / kg)	ND(1600)	ND(1500)	ND(750)	ND(390)	ND(7800)	ND(380)	ND(370)
Naphthalene	2240000	(µg / kg)	ND(1600)	1500	1100	ND(390)	ND(7800)	760	ND(370)
Benzo(a)anthracene	1160000	(µg / kg)	6300	3300	1500	ND(390)	31000	410	ND(370)

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		PP-280	PP-281	PP-282	PP-283	PP-284	PP-285	PP-295
Arsenic	639	(mg / kg)	207	604	41.2	105	84.8	233	25.5
Benzo(b)fluoranthene	1160000	(µg / kg)	4100	4200	ND(440)	860	ND(2900)	11000	ND(20000)
Benzo(a)pyrene	116000	(µg / kg)	1900	2700	ND(440)	550	4100	7000	ND(20000)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(1800)	ND(860)	ND(440)	ND(390)	ND(2900)	ND(2700)	ND(20000)
Dibenzofuran	5390000	(µg / kg)	ND(1800)	ND(860)	ND(440)	ND(390)	ND(2900)	ND(2700)	ND(20000)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(1800)	1300	ND(440)	ND(390)	3000	3600	ND(20000)
4 - Methylphenol	6738000	(µg / kg)	ND(1800)	880	ND(440)	ND(390)	ND(2900)	ND(2700)	ND(20000)
Naphthalene	2240000	(µg / kg)	ND(1800)	ND(860)	ND(440)	1200	ND(2900)	ND(2700)	ND(20000)
Benzo(a)anthracene	1160000	(µg / kg)	2400	3300	ND(440)	740	7800	9800	ND(20000)
			PP-289	PP-290	PP-291	PP-292	PP-293	PP-294	PP-302
Arsenic	639	(mg / kg)	118	100	41.6	31.0	8.7	12.5	2.0
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(19000)	26000	5300	150000	ND(20000)	ND(20000)	ND(400)
Benzo(a)pyrene	116000	(µg / kg)	ND(19000)	17000	3900	ND(150000)	ND(20000)	ND(20000)	ND(400)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(19000)	ND(7900)	ND(2700)	ND(150000)	ND(20000)	ND(20000)	ND(400)
Dibenzofuran	5390000	(µg / kg)	ND(19000)	ND(7900)	ND(2700)	ND(150000)	ND(20000)	ND(20000)	ND(400)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(19000)	8900	2900	ND(150000)	ND(20000)	ND(20000)	ND(400)
4 - Methylphenol	6738000	(µg / kg)	ND(19000)	ND(7900)	ND(2700)	ND(150000)	ND(20000)	ND(20000)	ND(400)
Naphthalene	2240000	(µg / kg)	ND(19000)	ND(7900)	4800	620000	ND(20000)	ND(20000)	ND(400)
Benzo(a)anthracene	1160000	(µg / kg)	ND(19000)	25000	4100	190000	ND(20000)	ND(20000)	ND(400)

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

Cleanup Parameters	TCLP Threshold		PP-296	PP-297	PP-298	PP-299	PP-300	PP-301	PP-309
	Values								
Arsenic	639	(mg / kg)	25.4	22.8	170	31.9	13.2	8.1	943
Benzo(b)fluoranthene	1160000	(µg / kg)	8700	500	2400	1600	ND(410)	8700	13000
Benzo(a)pyrene	116000	(µg / kg)	5000	ND(410)	1300	1000	ND(410)	6400	8300
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(2300)	ND(410)	ND(880)	ND(780)	ND(410)	ND(2600)	ND(2800)
Dibenzofuran	5390000	(µg / kg)	ND(2300)	ND(410)	ND(880)	ND(780)	ND(410)	3800	ND(2800)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	2900	ND(410)	ND(880)	ND(780)	ND(410)	3800	4100
4 - Methylphenol	6738000	(µg / kg)	ND(2300)	ND(410)	ND(880)	ND(780)	ND(410)	ND(2600)	ND(2800)
Naphthalene	2240000	(µg / kg)	ND(2300)	ND(410)	ND(880)	1600	ND(410)	9500	ND(2800)
Benzo(a)anthracene	1160000	(µg / kg)	7200	ND(410)	1800	1500	ND(410)	8200	13000
			PP-303	PP-304	PP-305	PP-306	PP-307	PP-308	PP-316
Arsenic	639	(mg / kg)	21.4	80.2	19.0	5.1	870	379	8.3
Benzo(b)fluoranthene	1160000	(µg / kg)	9800	12000	1700	9600	NA	NA	13000
Benzo(a)pyrene	116000	(µg / kg)	7000	9200	1200	5200	NA	NA	11000
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(2500)	ND(3900)	ND(710)	ND(710)	NA	NA	ND(3800)
Dibenzofuran	5390000	(µg / kg)	ND(2500)	ND(3900)	ND(710)	2700	NA	NA	ND(3800)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	4100	5500	ND(710)	2400	NA	NA	4800
4 - Methylphenol	6738000	(µg / kg)	ND(2500)	ND(3900)	ND(710)	ND(710)	NA	NA	ND(3800)
Naphthalene	2240000	(µg / kg)	ND(2500)	ND(3900)	ND(710)	ND(710)	NA	NA	ND(3800)
Benzo(a)anthracene	1160000	(µg / kg)	8700	12000	1500	10000	NA	NA	10000

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		PP-310	PP-311	PP-312	PP-313	PP-314	PP-315	PP-323
Arsenic	639	(mg / kg)	116	39.6	183	1730	42.3	28.1	33.6
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(7800)	ND(1900000)	ND(75000)	ND(4200)	ND(75000)	ND(51000)	ND(440)
Benzo(a)pyrene	116000	(µg / kg)	ND(7800)	ND(1900000)	ND(75000)	ND(4200)	ND(75000)	ND(51000)	ND(440)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(7800)	ND(1900000)	ND(75000)	ND(4200)	ND(75000)	ND(51000)	ND(440)
Dibenzofuran	5390000	(µg / kg)	ND(7800)	ND(1900000)	ND(75000)	ND(4200)	ND(75000)	ND(51000)	ND(440)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(7800)	ND(1900000)	ND(75000)	ND(4200)	ND(75000)	ND(51000)	ND(440)
4 - Methylphenol	6738000	(µg / kg)	ND(7800)	ND(1900000)	ND(75000)	ND(4200)	ND(75000)	ND(51000)	ND(440)
Naphthalene	2240000	(µg / kg)	14000	5000000	1300000	ND(4200)	450000	240000	1200
Benzo(a)anthracene	1160000	(µg / kg)	ND(7800)	ND(1900000)	ND(75000)	ND(4200)	ND(75000)	ND(51000)	ND(440)
			PP-317	PP-318	PP-319	PP-320	PP-321	PP-322	PP-330
Arsenic	639	(mg / kg)	12.0	145	554	552	1280	86.5	1220
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(3700)	ND(2600)	ND(78000)	ND(77000)	ND(8600000)	ND(1600)	ND(1800)
Benzo(a)pyrene	116000	(µg / kg)	ND(3700)	ND(2600)	ND(78000)	ND(77000)	ND(8600000)	ND(1600)	ND(1800)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(3700)	ND(2600)	ND(78000)	ND(77000)	ND(8600000)	ND(1600)	ND(1800)
Dibenzofuran	5390000	(µg / kg)	ND(3700)	ND(2600)	ND(78000)	ND(77000)	ND(8600000)	ND(1600)	ND(1800)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(3700)	ND(2600)	ND(78000)	ND(77000)	ND(8600000)	ND(1600)	ND(1800)
4 - Methylphenol	6738000	(µg / kg)	ND(3700)	ND(2600)	ND(78000)	ND(77000)	ND(8600000)	3100	ND(1800)
Naphthalene	2240000	(µg / kg)	ND(3700)	10000	710000	800000	37000000	4400	4800
Benzo(a)anthracene	1160000	(µg / kg)	ND(3700)	ND(2600)	ND(78000)	ND(77000)	ND(8600000)	ND(1600)	ND(1800)

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		PP-324	PP-325	PP-326	PP-327	PP-328	PP-329	PP-337
Arsenic	639	(mg / kg)	4.1	7.4	160	55.7	57.4	170	5.7
Benzo(b)fluoranthene	1160000	(µg / kg)	1500	ND(9200)	ND(7500)	ND(150000)	ND(75000)	130000	ND(38000)
Benzo(a)pyrene	116000	(µg / kg)	ND(1400)	ND(9200)	ND(7500)	ND(150000)	ND(75000)	80000	ND(38000)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(1400)	ND(9200)	ND(7500)	ND(150000)	ND(75000)	ND(80000)	ND(38000)
Dibenzofuran	5390000	(µg / kg)	ND(1400)	ND(9200)	ND(7500)	ND(150000)	ND(75000)	ND(80000)	ND(38000)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(1400)	ND(9200)	ND(7500)	ND(150000)	ND(75000)	ND(80000)	ND(38000)
4 - Methylphenol	6738000	(µg / kg)	ND(1400)	ND(9200)	ND(7500)	ND(150000)	ND(75000)	ND(80000)	ND(38000)
Naphthalene	2240000	(µg / kg)	3700	41000	ND(7500)	1700000	130000	270000	240000
Benzo(a)anthracene	1160000	(µg / kg)	1500	ND(9200)	ND(7500)	ND(150000)	ND(75000)	100000	ND(38000)
			PP-331	PP-332	PP-333	PP-334	PP-335	PP-336	PP-345
Arsenic	639	(mg / kg)	678	1840	1880	7.1	7.7	10.1	34.8
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(370)	ND(1000)	ND(390)	ND(11000)	ND(8700)	ND(350000)	800
Benzo(a)pyrene	116000	(µg / kg)	ND(370)	ND(1000)	ND(390)	ND(11000)	ND(8700)	ND(350000)	ND(400)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(370)	ND(1000)	ND(390)	ND(11000)	ND(8700)	ND(350000)	ND(400)
Dibenzofuran	5390000	(µg / kg)	ND(370)	ND(1000)	ND(390)	ND(11000)	ND(8700)	ND(350000)	ND(400)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(370)	ND(1000)	ND(390)	ND(11000)	ND(8700)	ND(350000)	ND(400)
4 - Methylphenol	6738000	(µg / kg)	610	2100	ND(390)	ND(11000)	ND(8700)	ND(350000)	ND(400)
Naphthalene	2240000	(µg / kg)	780	2400	460	ND(11000)	ND(8700)	3700000	2500
Benzo(a)anthracene	1160000	(µg / kg)	ND(370)	ND(1000)	ND(390)	ND(11000)	ND(8700)	ND(350000)	560

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		PP-338	PP-339	PP-340	PP-341	PP-342	PP-343	PP-344
Arsenic	639	(mg / kg)	16.0	10.6	82.4	292	86.6	897	17.5
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(84000)	ND(370)	ND(520)	ND(440)	ND(430)	ND(410)	13000
Benzo(a)pyrene	116000	(µg / kg)	ND(84000)	ND(370)	ND(520)	ND(440)	ND(430)	ND(410)	7000
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(84000)	ND(370)	ND(520)	ND(440)	ND(430)	ND(410)	ND(4500)
Dibenzofuran	5390000	(µg / kg)	ND(84000)	ND(370)	ND(520)	ND(440)	ND(430)	ND(410)	ND(4500)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(84000)	ND(370)	ND(520)	ND(440)	ND(430)	ND(410)	ND(4500)
4 - Methylphenol	6738000	(µg / kg)	ND(84000)	ND(370)	ND(520)	ND(440)	ND(430)	ND(410)	ND(4500)
Naphthalene	2240000	(µg / kg)	810000	ND(370)	590	ND(440)	1500	19000	5400
Benzo(a)anthracene	1160000	(µg / kg)	ND(84000)	ND(370)	ND(520)	ND(440)	ND(430)	ND(410)	13000
			PP-346	PP-347	PP-348	PP-349	PP-350	PP-351	PP-352
Arsenic	639	(mg / kg)	10.4	44.0	50.9	154	44.9	176	183
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(19000)	ND(4600)	51000	ND(410)	ND(19000)	ND(2100)	ND(450)
Benzo(a)pyrene	116000	(µg / kg)	ND(19000)	ND(4600)	35000	ND(410)	ND(19000)	ND(2100)	ND(450)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(19000)	ND(4600)	ND(10000)	ND(410)	ND(19000)	ND(2100)	ND(450)
Dibenzofuran	5390000	(µg / kg)	29000	ND(4600)	ND(10000)	ND(410)	ND(19000)	ND(2100)	ND(450)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(19000)	ND(4600)	19000	ND(410)	ND(19000)	ND(2100)	ND(450)
4 - Methylphenol	6738000	(µg / kg)	ND(19000)	ND(4600)	ND(10000)	ND(410)	ND(19000)	ND(2100)	ND(450)
Naphthalene	2240000	(µg / kg)	180000	ND(4600)	13000	1300	69000	2400	640
Benzo(a)anthracene	1160000	(µg / kg)	ND(19000)	ND(4600)	48000	ND(410)	ND(19000)	ND(2100)	ND(450)

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		PP-353	PP-354	PP-355	PP-356	PP-357	PP-358	PP-359
Arsenic	639	(mg / kg)	36.0	37.5	63.9	93.4	113	37.4	107
Benzo(b)fluoranthene	1160000	(µg / kg)	470	ND(360)	ND(360)	ND(380)	ND(420)	ND(490)	ND(570)
Benzo(a)pyrene	116000	(µg / kg)	ND(470)	ND(360)	ND(360)	ND(380)	ND(420)	ND(490)	ND(570)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(470)	ND(360)	ND(360)	ND(380)	ND(420)	ND(490)	ND(570)
Dibenzofuran	5390000	(µg / kg)	ND(470)	ND(360)	ND(360)	ND(380)	ND(420)	ND(490)	ND(570)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(470)	ND(360)	ND(360)	ND(380)	ND(420)	ND(490)	ND(570)
4 - Methylphenol	6738000	(µg / kg)	ND(470)	ND(360)	ND(360)	ND(380)	ND(420)	ND(490)	ND(570)
Naphthalene	2240000	(µg / kg)	ND(470)	ND(360)	ND(360)	ND(380)	ND(420)	ND(490)	ND(570)
Benzo(a)anthracene	1160000	(µg / kg)	ND(470)	ND(360)	ND(360)	ND(380)	ND(420)	ND(490)	ND(570)
			PP-361	PP-362	PP-363	PP-364	PP-365	PP-366	PP-367
Arsenic	639	(mg / kg)	178	61.6	6.2	20.0	54.0	32.7	44.7
Benzo(b)fluoranthene	1160000	(µg / kg)	7400	3500	3500	ND(430)	ND(7400)	4800	ND(91000)
Benzo(a)pyrene	116000	(µg / kg)	ND(5700)	ND(3100)	ND(2600)	ND(430)	ND(7400)	2800	ND(91000)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(5700)	ND(3100)	ND(2600)	ND(430)	ND(7400)	ND(1600)	ND(91000)
Dibenzofuran	5390000	(µg / kg)	ND(5700)	ND(3100)	ND(2600)	ND(430)	ND(7400)	ND(1600)	ND(91000)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(5700)	ND(3100)	ND(2600)	ND(430)	ND(7400)	1700	ND(91000)
4 - Methylphenol	6738000	(µg / kg)	ND(5700)	ND(3100)	ND(2600)	ND(430)	ND(7400)	ND(1600)	ND(91000)
Naphthalene	2240000	(µg / kg)	ND(5700)	4300	ND(2600)	730	28000	1900	320000
Benzo(a)anthracene	1160000	(µg / kg)	6500	ND(3100)	3700	ND(430)	ND(7400)	4400	ND(91000)

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		PP-360	PP-369	PP-370	PP-371	PP-372	PP-373	PP-374
Arsenic	639	(mg / kg)	98.3	104	52.4	3.9	32.7	14.3	124
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(420)	ND(400)	ND(380)	ND(390)	ND(37000)	ND(37000)	3000
Benzo(a)pyrene	116000	(µg / kg)	ND(420)	ND(400)	ND(380)	ND(390)	ND(37000)	ND(37000)	1600
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(420)	ND(400)	ND(380)	ND(390)	ND(37000)	ND(37000)	ND(1600)
Dibenzofuran	5390000	(µg / kg)	ND(420)	ND(400)	ND(380)	ND(390)	ND(37000)	ND(37000)	ND(1600)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(420)	ND(400)	ND(380)	ND(390)	ND(37000)	ND(37000)	ND(1600)
4 - Methylphenol	6738000	(µg / kg)	ND(420)	ND(400)	ND(380)	ND(390)	ND(37000)	ND(37000)	ND(1600)
Naphthalene	2240000	(µg / kg)	ND(420)	ND(400)	ND(380)	410	90000	88000	ND(1600)
Benzo(a)anthracene	1160000	(µg / kg)	ND(420)	ND(400)	ND(380)	ND(390)	ND(37000)	ND(37000)	2200
			PP-368	PP-377	PP-378	PP-379	PP-380	PP-381	PP-382
Arsenic	639	(mg / kg)	8.2	14.5	11.2	521	223	202	76.5
Benzo(b)fluoranthene	1160000	(µg / kg)	740	ND(350)	ND(3500)	ND(2200)	ND(380)	ND(3900)	ND(37000)
Benzo(a)pyrene	116000	(µg / kg)	480	ND(350)	ND(3500)	ND(2200)	ND(380)	ND(3900)	ND(37000)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(440)	ND(350)	ND(3500)	ND(2200)	ND(380)	ND(3900)	ND(37000)
Dibenzofuran	5390000	(µg / kg)	ND(440)	ND(350)	ND(3500)	ND(2200)	ND(380)	ND(3900)	ND(37000)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(440)	ND(350)	ND(3500)	ND(2200)	ND(380)	ND(3900)	ND(37000)
4 - Methylphenol	6738000	(µg / kg)	ND(440)	ND(350)	ND(3500)	ND(2200)	ND(380)	ND(3900)	ND(37000)
Naphthalene	2240000	(µg / kg)	ND(440)	ND(350)	ND(3500)	3900	1800	ND(3900)	ND(37000)
Benzo(a)anthracene	1160000	(µg / kg)	640	ND(350)	ND(3500)	ND(2200)	ND(380)	4100	ND(37000)

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		PP-375	PP-376	PP-385	PP-386	PP-387	PP-388	PP-389
Arsenic	639	(mg / kg)	49.2	84.5	9.1	9.9	78.7	15.3	155
Benzo(b)fluoranthene	1160000	(µg / kg)	2900	ND(1800)	30000	110000	ND(35000)	ND(3700)	ND(49000)
Benzo(a)pyrene	116000	(µg / kg)	2000	ND(1800)	21000	72000	ND(35000)	ND(3700)	ND(49000)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(1800)	ND(1800)	ND(7900)	ND(37000)	ND(35000)	ND(3700)	ND(49000)
Dibenzofuran	5390000	(µg / kg)	ND(1800)	ND(1800)	ND(7900)	ND(37000)	ND(35000)	ND(3700)	ND(49000)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(1800)	ND(1800)	10000	37000	ND(35000)	ND(3700)	ND(49000)
4 - Methylphenol	6738000	(µg / kg)	ND(1800)	ND(1800)	ND(7900)	ND(37000)	ND(35000)	ND(3700)	ND(49000)
Naphthalene	2240000	(µg / kg)	ND(1800)	2400	ND(7900)	ND(37000)	140000	12000	140000
Benzo(a)anthracene	1160000	(µg / kg)	2600	ND(1800)	31000	100000	ND(35000)	4200	ND(49000)
			PP-383	PP-384	PP-393	PP-394	PP-395	PP-396	PP-397
Arsenic	639	(mg / kg)	451	3600	57.3	60.5	404	158	811
Benzo(b)fluoranthene	1160000	(µg / kg)	34000	ND(43000)	ND(380)	ND(410)	ND(810)	ND(420)	ND(360)
Benzo(a)pyrene	116000	(µg / kg)	ND(19000)	ND(43000)	ND(380)	ND(410)	ND(810)	ND(420)	ND(360)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(19000)	ND(43000)	ND(380)	ND(410)	ND(810)	ND(420)	ND(360)
Dibenzofuran	5390000	(µg / kg)	21000	ND(43000)	ND(380)	ND(410)	ND(810)	ND(420)	ND(360)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(19000)	ND(43000)	ND(380)	ND(410)	ND(810)	ND(420)	ND(360)
4 - Methylphenol	6738000	(µg / kg)	ND(19000)	ND(43000)	ND(380)	ND(410)	ND(810)	ND(420)	2400
Naphthalene	2240000	(µg / kg)	ND(19000)	240000	ND(380)	ND(410)	1100	ND(420)	2300
Benzo(a)anthracene	1160000	(µg / kg)	21000	ND(43000)	ND(380)	ND(410)	ND(810)	ND(420)	ND(360)

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		PP-390	PP-391	PP-392	PP-401	PP-402	PP-403	PP-404
Arsenic	639	(mg / kg)	4.2	131	50.8	77.0	172	780	3.1
Benzo(b)fluoranthene	1160000	(µg / kg)	2200	ND(40000)	ND(75000)	280000	1900000	ND(430000)	2500
Benzo(a)pyrene	116000	(µg / kg)	1700	ND(40000)	ND(75000)	230000	1500000	ND(430000)	ND(1600)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(1400)	ND(40000)	ND(75000)	ND(170000)	ND(930000)	ND(430000)	ND(1600)
Dibenzofuran	5390000	(µg / kg)	ND(1400)	ND(40000)	170000	360000	2300000	ND(430000)	ND(1600)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(1400)	ND(40000)	ND(75000)	ND(170000)	ND(930000)	ND(430000)	ND(1600)
4 - Methylphenol	6738000	(µg / kg)	ND(1400)	ND(40000)	ND(75000)	ND(170000)	ND(930000)	ND(430000)	ND(1600)
Naphthalene	2240000	(µg / kg)	3800	100000	3100000	2000000	14000000	ND(430000)	ND(1600)
Benzo(a)anthracene	1160000	(µg / kg)	2200	ND(40000)	ND(75000)	340000	2200000	ND(430000)	2500
			PP-398	PP-399	PP-400	PP-409	PP-410	PP-411	PP-412
Arsenic	639	(mg / kg)	38.4	11.5	89.7	2090	1920	540	50.3
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(360)	ND(380)	ND(9700)	ND(1000)	ND(970)	9300	730
Benzo(a)pyrene	116000	(µg / kg)	ND(360)	ND(380)	ND(9700)	ND(1000)	ND(970)	7000	420
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(360)	ND(380)	ND(9700)	ND(1000)	ND(970)	2100	ND(390)
Dibenzofuran	5390000	(µg / kg)	ND(360)	ND(380)	ND(9700)	ND(1000)	ND(970)	ND(1900)	ND(390)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(360)	ND(380)	ND(9700)	ND(1000)	ND(970)	5900	ND(390)
4 - Methylphenol	6738000	(µg / kg)	ND(360)	ND(380)	ND(9700)	ND(1000)	ND(970)	ND(1900)	ND(390)
Naphthalene	2240000	(µg / kg)	ND(360)	ND(380)	ND(9700)	2100	ND(970)	3500	ND(390)
Benzo(a)anthracene	1160000	(µg / kg)	ND(360)	ND(380)	ND(9700)	ND(1000)	ND(970)	2900	510

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		PP-405	PP-406	PP-407	PP-408	PP-417	PP-418	PP-419
Arsenic	639	(mg / kg)	59.7	257	22.4	18.9	70.0	43.3	75.9
Benzo(b)fluoranthene	1160000	(µg / kg)	ND(93000)	ND(200000)	2000	ND(1500)	ND(72000)	15000	ND(37000)
Benzo(a)pyrene	116000	(µg / kg)	ND(93000)	ND(200000)	1300	ND(1500)	ND(72000)	8100	ND(37000)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(93000)	ND(200000)	ND(930)	ND(1500)	ND(72000)	ND(7500)	ND(37000)
Dibenzofuran	5390000	(µg / kg)	ND(93000)	ND(200000)	ND(930)	ND(1500)	120000	ND(7500)	ND(37000)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(93000)	ND(200000)	ND(930)	ND(1500)	ND(72000)	ND(7500)	ND(37000)
4 - Methylphenol	6738000	(µg / kg)	ND(93000)	ND(200000)	ND(930)	ND(1500)	ND(72000)	ND(7500)	ND(37000)
Naphthalene	2240000	(µg / kg)	280000	870000	1000	ND(1500)	590000	13000	160000
Benzo(a)anthracene	1160000	(µg / kg)	ND(93000)	ND(200000)	1800	ND(1500)	ND(72000)	14000	ND(37000)
			PP-413	PP-414	PP-415	PP-416			
Arsenic	639	(mg / kg)	741	602	320	15.7			
Benzo(b)fluoranthene	1160000	(µg / kg)	15000	840	2400	ND(350)			
Benzo(a)pyrene	116000	(µg / kg)	8900	410	1600	ND(350)			
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(5600)	ND(370)	ND(1500)	ND(350)			
Dibenzofuran	5390000	(µg / kg)	ND(5600)	ND(370)	ND(1500)	ND(350)			
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	6800	ND(370)	ND(1500)	ND(350)			
4 - Methylphenol	6738000	(µg / kg)	11000	ND(370)	ND(1500)	ND(350)			
Naphthalene	2240000	(µg / kg)	11000	470	2500	ND(350)			
Benzo(a)anthracene	1160000	(µg / kg)	8800	520	1800	ND(350)			

TABLE 4.1

**LOG OF EXCAVATION SIDEWALL SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Cleanup Parameters</i>	<i>TCLP Threshold Values</i>		PP-420	PP-421
Arsenic	639	(mg / kg)	34.1	12.3
Benzo(b)fluoranthene	1160000	(µg / kg)	92000	ND(680)
Benzo(a)pyrene	116000	(µg / kg)	ND(75000)	ND(680)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(75000)	ND(680)
Dibenzofuran	5390000	(µg / kg)	ND(75000)	ND(680)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(75000)	ND(680)
4 - Methylphenol	6738000	(µg / kg)	ND(75000)	ND(680)
Naphthalene	2240000	(µg / kg)	240000	1600
Benzo(a)anthracene	1160000	(µg / kg)	100000	ND(680)
Arsenic	639	(mg / kg)		
Benzo(b)fluoranthene	1160000	(µg / kg)		
Benzo(a)pyrene	116000	(µg / kg)		
Dibenzo(a,h)anthracene	116000	(µg / kg)		
Dibenzofuran	5390000	(µg / kg)		
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)		
4 - Methylphenol	6738000	(µg / kg)		
Naphthalene	2240000	(µg / kg)		
Benzo(a)anthracene	1160000	(µg / kg)		

TABLE 4.2

**LOG OF CATEGORY 2 SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Site TCLP Threshold Parameters</i>	<i>TCLP Threshold Values</i>	<i>PP-001 TASP 2-1</i>	<i>PP-003 TASP 2-2</i>	<i>TL-005 TASP 2-3</i>	<i>TL-006 TASP 2-4</i>	<i>PP-007 TASP 2-5</i>	<i>PP-009 TASP 2-6</i>	<i>PP-011 TASP 2-7</i>	<i>PP-013 TASP 2-8</i>
<i>Metals</i>	<i>(mg / L)</i>								
Arsenic, TCLP	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
<i>VOC's</i>									
Benzene, TCLP	0.5	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.17)	ND(0.025)	ND(0.025)
Carbon tetrachloride, TCLP	0.5	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.17)	ND(0.025)	ND(0.025)
Chlorobenzene, TCLP	100	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.17)	ND(0.025)	ND(0.025)
Chloroform, TCLP	6	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.17)	ND(0.025)	ND(0.025)
1,2 - Dichloroethane, TCLP	0.5	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.17)	ND(0.025)	ND(0.025)
1,1 - Dichloroethene, TCLP	0.7	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.47)	ND(0.070)	ND(0.070)
Methyl ethyl ketone, TCLP	200	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.33)	ND(0.050)	ND(0.050)
Tetrachloroethylene, TCLP	0.7	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.47)	ND(0.070)	ND(0.070)
Trichloroethylene, TCLP	0.5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.33)	ND(0.050)	ND(0.050)
Vinyl Chloride, TCLP	0.2	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.17)	ND(0.025)	ND(0.025)
<i>SVOC's</i>									
o - Cresol, TCLP	200	0.36	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.20)	ND(0.050)	ND(0.050)	ND(0.050)
m - Cresol & p - Cresol, TCLP	200	0.98	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.40)	ND(0.10)	ND(0.10)	ND(0.10)
1,4 - Dichlorobenzene, TCLP	7.5	ND(0.25)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.20)	ND(0.050)	ND(0.050)	ND(0.050)
2,4 - Dinitrotoluene, TCLP	0.13	ND(0.25)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.20)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobenzene, TCLP	0.13	ND(0.25)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.20)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobutadiene, TCLP	0.5	ND(0.25)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.20)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachloroethane, TCLP	3	ND(0.25)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.20)	ND(0.050)	ND(0.050)	ND(0.050)
Nitrobenzene, TCLP	2	ND(0.25)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.20)	ND(0.050)	ND(0.050)	ND(0.050)
Pentachlorophenol, TCLP	100	ND(0.50)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.40)	ND(0.10)	ND(0.10)	ND(0.10)
Pyridine, TCLP	5	ND(0.50)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.40)	ND(0.10)	ND(0.10)	ND(0.10)
2,4,5 - Trichlorophenol, TCLP	400	ND(1.2)	ND(0.25)	ND(0.25)	ND(0.25)	ND(1.0)	ND(0.25)	ND(0.25)	ND(0.25)
2,4,6 - Trichlorophenol, TCLP	2	ND(0.25)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.20)	ND(0.050)	ND(0.050)	ND(0.050)
Methylphenols (Cresols), total, TCLP	200	1.34	ND	ND	ND	ND	ND	ND	ND

TABLE 4.2

**LOG OF CATEGORY 2 SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Site TCLP Threshold Parameters</i>	<i>TCLP Threshold Values (mg / L)</i>	<i>PP-015 TASP 2-9</i>	<i>PP-017 TASP 2-10</i>	<i>PP-019 TASP 2-11</i>	<i>PP-021 TASP 2-12</i>	<i>PP-023 TASP 2-13</i>	<i>PP-025 TASP 2-14</i>	<i>PP-027 TASP 2-15</i>	<i>PP-029 TASP 2-16</i>
<i>Metals</i>									
Arsenic, TCLP	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
<i>VOC's</i>									
Benzene, TCLP	0.5	ND(0.025)	ND(0.50)	ND(0.050)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.17)	ND(0.17)
Carbon tetrachloride, TCLP	0.5	ND(0.025)	ND(0.50)	ND(0.050)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.17)	ND(0.17)
Chlorobenzene, TCLP	100	ND(0.025)	ND(0.50)	ND(0.050)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.17)	ND(0.17)
Chloroform, TCLP	6	ND(0.025)	ND(0.50)	ND(0.050)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.17)	ND(0.17)
1,2 - Dichloroethane, TCLP	0.5	ND(0.025)	ND(0.50)	ND(0.050)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.17)	ND(0.17)
1,1 - Dichloroethene, TCLP	0.7	ND(0.070)	ND(1.4)	ND(0.14)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.47)	ND(0.47)
Methyl ethyl ketone, TCLP	200	ND(0.050)	ND(1.0)	ND(0.10)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.33)	ND(0.33)
Tetrachloroethylene, TCLP	0.7	ND(0.070)	ND(1.4)	ND(0.14)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.47)	ND(0.47)
Trichloroethylene, TCLP	0.5	ND(0.050)	ND(1.0)	ND(0.10)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.33)	ND(0.33)
Vinyl Chloride, TCLP	0.2	ND(0.025)	ND(0.50)	ND(0.050)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.17)	ND(0.17)
<i>SVOC's</i>									
o - Cresol, TCLP	200	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(1.0)	ND(0.050)	ND(0.050)
m - Cresol & p - Cresol, TCLP	200	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	2.6	ND(0.10)	ND(0.10)
1,4 - Dichlorobenzene, TCLP	7.5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(1.0)	ND(0.050)	ND(0.050)
2,4 - Dinitrotoluene, TCLP	0.13	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(1.0)	ND(0.050)	ND(0.050)
Hexachlorobenzene, TCLP	0.13	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(1.0)	ND(0.050)	ND(0.050)
Hexachlorobutadiene, TCLP	0.5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(1.0)	ND(0.050)	ND(0.050)
Hexachloroethane, TCLP	3	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(1.0)	ND(0.050)	ND(0.050)
Nitrobenzene, TCLP	2	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(1.0)	ND(0.050)	ND(0.050)
Pentachlorophenol, TCLP	100	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(2.0)	ND(0.10)	ND(0.10)
Pyridine, TCLP	5	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(2.0)	ND(0.10)	ND(0.10)
2,4,5 - Trichlorophenol, TCLP	400	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(5.0)	ND(0.25)	ND(0.25)
2,4,6 - Trichlorophenol, TCLP	2	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(1.0)	ND(0.050)	ND(0.050)
Methylphenols (Cresols), total, TCLP	200	ND	ND	ND	ND	ND	2.6	ND	ND

TABLE 4.2

**LOG OF CATEGORY 2 SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Site TCLP Threshold Parameters</i>	<i>TCLP Threshold Values</i>	<i>PP-031 TASP 2-17</i>	<i>PP-033 TASP 2-18</i>	<i>PP-035 TASP 2-19</i>	<i>PP-037 TASP 2-20</i>	<i>PP-039 TASP 2-21</i>	<i>PP-041 TASP 2-22</i>	<i>PP-043 TASP 2-23</i>	<i>PP-045 TASP 2-24</i>
<i>Metals</i>	(mg / L)								
Arsenic, TCLP	5	ND(0.50)	ND(0.50)	ND(0.50)	0.57	0.92	ND(0.50)	ND(0.50)	ND(0.50)
<i>VOC's</i>									
Benzene, TCLP	0.5	ND(0.25)	ND(0.12)	ND(0.50)	ND(0.17)	ND(0.62)	ND(0.25)	ND(0.25)	ND(0.083)
Carbon tetrachloride, TCLP	0.5	ND(0.25)	ND(0.12)	ND(0.50)	ND(0.17)	ND(0.62)	ND(0.25)	ND(0.25)	ND(0.083)
Chlorobenzene, TCLP	100	ND(0.25)	ND(0.12)	ND(0.50)	ND(0.17)	ND(0.62)	ND(0.25)	ND(0.25)	ND(0.083)
Chloroform, TCLP	6	ND(0.25)	ND(0.12)	ND(0.50)	ND(0.17)	ND(0.62)	ND(0.25)	ND(0.25)	ND(0.083)
1,2 - Dichloroethane, TCLP	0.5	ND(0.25)	ND(0.12)	ND(0.50)	ND(0.17)	ND(0.62)	ND(0.25)	ND(0.25)	ND(0.083)
1,1 - Dichloroethene, TCLP	0.7	ND(0.70)	ND(0.35)	ND(1.4)	ND(0.47)	ND(1.8)	ND(0.70)	ND(0.70)	ND(0.23)
Methyl ethyl ketone, TCLP	200	ND(0.50)	ND(0.25)	ND(1.0)	ND(0.33)	ND(1.2)	ND(0.50)	ND(0.50)	ND(0.17)
Tetrachloroethylene, TCLP	0.7	ND(0.70)	ND(0.35)	ND(1.4)	ND(0.47)	ND(1.8)	ND(0.70)	ND(0.70)	ND(0.23)
Trichloroethylene, TCLP	0.5	ND(0.50)	ND(0.25)	ND(1.0)	ND(0.33)	ND(1.2)	ND(0.50)	ND(0.50)	ND(0.17)
Vinyl Chloride, TCLP	0.2	ND(0.25)	ND(0.12)	ND(0.50)	ND(0.17)	ND(0.62)	ND(0.25)	ND(0.25)	ND(0.083)
<i>SVOC's</i>									
o - Cresol, TCLP	200	ND(0.25)	ND(0.25)	ND(0.50)	ND(0.25)	0.48	ND(0.25)	ND(0.2)	ND(0.33)
m - Cresol & p - Cresol, TCLP	200	ND(0.50)	ND(0.50)	ND(1.0)	ND(0.50)	1.2	ND(0.50)	ND(0.40)	ND(0.67)
1,4 - Dichlorobenzene, TCLP	7.5	ND(0.25)	ND(0.25)	ND(0.50)	ND(0.25)	ND(0.33)	ND(0.25)	ND(0.2)	ND(0.050)
2,4 - Dinitrotoluene, TCLP	0.13	ND(0.25)	ND(0.25)	ND(0.50)	ND(0.25)	ND(0.33)	ND(0.25)	ND(0.2)	ND(0.050)
Hexachlorobenzene, TCLP	0.13	ND(0.25)	ND(0.25)	ND(0.50)	ND(0.25)	ND(0.33)	ND(0.25)	ND(0.2)	ND(0.050)
Hexachlorobutadiene, TCLP	0.5	ND(0.25)	ND(0.25)	ND(0.50)	ND(0.25)	ND(0.33)	ND(0.25)	ND(0.2)	ND(0.050)
Hexachloroethane, TCLP	3	ND(0.25)	ND(0.25)	ND(0.50)	ND(0.25)	ND(0.33)	ND(0.25)	ND(0.2)	ND(0.050)
Nitrobenzene, TCLP	2	ND(0.25)	ND(0.25)	ND(0.50)	ND(0.25)	ND(0.33)	ND(0.25)	ND(0.2)	ND(0.050)
Pentachlorophenol, TCLP	100	ND(0.50)	ND(0.50)	ND(1.0)	ND(0.50)	ND(0.67)	ND(0.50)	ND(0.40)	ND(0.10)
Pyridine, TCLP	5	ND(0.50)	ND(0.50)	ND(1.0)	ND(0.50)	ND(0.67)	ND(0.50)	ND(0.40)	ND(0.10)
2,4,5 - Trichlorophenol, TCLP	400	ND(1.2)	ND(1.2)	ND(2.5)	ND(1.2)	ND(1.7)	ND(1.2)	ND(1.0)	ND(0.250)
2,4,6 - Trichlorophenol, TCLP	2	ND(0.25)	ND(0.25)	ND(0.50)	ND(0.25)	ND(0.33)	ND(0.25)	ND(0.2)	ND(0.050)
Methylphenols (Cresols), total, TCLP	200	ND	ND	ND	ND	1.68	ND	ND	ND

TABLE 4.2

**LOG OF CATEGORY 2 SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Site TCLP Threshold Parameters</i>	<i>TCLP Threshold Values</i>	<i>PP-047 TASP 2-25</i>	<i>PP-049 TASP 2-26</i>	<i>PP-051 TASP 2-27</i>	<i>PP-053 TASP 2-28</i>	<i>PP-055 TASP 2-29</i>	<i>PP-057 TASP 2-30</i>	<i>PP-059 TASP 2-31</i>	<i>PP-061 TASP 2-27</i>
<i>Metals</i>	<i>(mg / L)</i>								
Arsenic, TCLP	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	NA
<i>VOC's</i>									
Benzene, TCLP	0.5	ND(0.17)	ND(0.20)	0.75	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	0.68
Carbon tetrachloride, TCLP	0.5	ND(0.17)	ND(0.20)	ND(0.20)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	NA
Chlorobenzene, TCLP	100	ND(0.17)	ND(0.20)	ND(0.20)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	NA
Chloroform, TCLP	6	ND(0.17)	ND(0.20)	ND(0.20)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	NA
1,2 - Dichloroethane, TCLP	0.5	ND(0.17)	ND(0.20)	ND(0.20)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	NA
1,1 - Dichloroethene, TCLP	0.7	ND(0.47)	ND(0.56)	ND(0.56)	ND(0.47)	ND(0.47)	ND(0.47)	ND(0.47)	NA
Methyl ethyl ketone, TCLP	200	ND(0.33)	ND(0.40)	ND(0.40)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	NA
Tetrachloroethylene, TCLP	0.7	ND(0.47)	ND(0.56)	ND(0.56)	ND(0.47)	ND(0.47)	ND(0.47)	ND(0.47)	NA
Trichloroethylene, TCLP	0.5	ND(0.33)	ND(0.40)	ND(0.40)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	NA
Vinyl Chloride, TCLP	0.2	ND(0.17)	ND(0.20)	ND(0.20)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	NA
<i>SVOC's</i>									
o - Cresol, TCLP	200	ND(0.050)	ND(0.050)	0.49	ND(0.050)	ND(0.10)	0.8	0.22	NA
m - Cresol & p - Cresol, TCLP	200	ND(0.10)	ND(0.10)	1.1	ND(0.10)	ND(0.20)	1.9	0.64	NA
1,4 - Dichlorobenzene, TCLP	7.5	ND(0.050)	ND(0.050)	ND(0.33)	ND(0.050)	ND(0.10)	ND(0.62)	ND(0.20)	NA
2,4 - Dinitrotoluene, TCLP	0.13	ND(0.050)	ND(0.050)	ND(0.33)	ND(0.050)	ND(0.10)	ND(0.62)	ND(0.20)	NA
Hexachlorobenzene, TCLP	0.13	ND(0.050)	ND(0.050)	ND(0.33)	ND(0.050)	ND(0.10)	ND(0.62)	ND(0.20)	NA
Hexachlorobutadiene, TCLP	0.5	ND(0.050)	ND(0.050)	ND(0.33)	ND(0.050)	ND(0.10)	ND(0.62)	ND(0.20)	NA
Hexachloroethane, TCLP	3	ND(0.050)	ND(0.050)	ND(0.33)	ND(0.050)	ND(0.10)	ND(0.62)	ND(0.20)	NA
Nitrobenzene, TCLP	2	ND(0.050)	ND(0.050)	ND(0.33)	ND(0.050)	ND(0.10)	ND(0.62)	ND(0.20)	NA
Pentachlorophenol, TCLP	100	ND(0.10)	ND(0.10)	ND(0.67)	ND(0.10)	ND(0.20)	ND(1.2)	ND(0.40)	NA
Pyridine, TCLP	5	ND(0.10)	ND(0.10)	ND(0.67)	ND(0.10)	ND(0.20)	ND(1.2)	ND(0.40)	NA
2,4,5 - Trichlorophenol, TCLP	400	ND(0.25)	ND(0.25)	ND(1.7)	ND(0.25)	ND(0.50)	ND(3.1)	ND(1.0)	NA
2,4,6 - Trichlorophenol, TCLP	2	ND(0.050)	ND(0.050)	ND(0.33)	ND(0.050)	ND(0.10)	ND(0.62)	ND(0.20)	NA
Methylphenols (Cresols), total, TCLP	200	ND	ND	1.59	ND	ND	2.7	0.86	NA

TABLE 4.2

**LOG OF CATEGORY 2 SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Site TCLP Threshold Parameters</i>	<i>TCLP Threshold Values</i>	<i>PP-063 TASP 2-27</i>	<i>PP-065 TASP 2-32</i>	<i>PP-067 TASP 2-33</i>	<i>PP-069 TASP 2-34</i>	<i>PP-071 TASP 2-35</i>	<i>PP-073 TASP 2-36</i>	<i>PP-075 TASP 2-37</i>	<i>PP-077 TASP 2-38</i>
<i>Metals</i>	<i>(mg / L)</i>								
Arsenic, TCLP	5	NA	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
<i>VOC's</i>									
Benzene, TCLP	0.5	ND(0.12)	ND(0.025)	ND(0.025)	ND(0.025)	0.076	0.59	ND(0.025)	0.43
Carbon tetrachloride, TCLP	0.5	NA	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Chlorobenzene, TCLP	100	NA	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Chloroform, TCLP	6	NA	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
1,2 - Dichloroethane, TCLP	0.5	NA	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
1,1 - Dichloroethene, TCLP	0.7	NA	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)
Methyl ethyl ketone, TCLP	200	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Tetrachloroethylene, TCLP	0.7	NA	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)
Trichloroethylene, TCLP	0.5	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Vinyl Chloride, TCLP	0.2	NA	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
<i>SVOC's</i>									
o - Cresol, TCLP	200	NA	ND(0.050)	ND(0.050)	ND(0.10)	ND(2.5)	2.7	ND(0.050)	0.12
m - Cresol & p - Cresol, TCLP	200	NA	ND(0.10)	ND(0.10)	ND(0.20)	6.8	6.3	ND(0.10)	ND(0.20)
1,4 - Dichlorobenzene, TCLP	7.5	NA	ND(0.050)	ND(0.050)	ND(0.10)	ND(2.5)	ND(2.5)	ND(0.050)	ND(0.10)
2,4 - Dinitrotoluene, TCLP	0.13	NA	ND(0.050)	ND(0.050)	ND(0.10)	ND(2.5)	ND(2.5)	ND(0.050)	ND(0.10)
Hexachlorobenzene, TCLP	0.13	NA	ND(0.050)	ND(0.050)	ND(0.10)	ND(2.5)	ND(2.5)	ND(0.050)	ND(0.10)
Hexachlorobutadiene, TCLP	0.5	NA	ND(0.050)	ND(0.050)	ND(0.10)	ND(2.5)	ND(2.5)	ND(0.050)	ND(0.10)
Hexachloroethane, TCLP	3	NA	ND(0.050)	ND(0.050)	ND(0.10)	ND(2.5)	ND(2.5)	ND(0.050)	ND(0.10)
Nitrobenzene, TCLP	2	NA	ND(0.050)	ND(0.050)	ND(0.10)	ND(2.5)	ND(2.5)	ND(0.050)	ND(0.10)
Pentachlorophenol, TCLP	100	NA	ND(0.10)	ND(0.10)	ND(0.20)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)
Pyridine, TCLP	5	NA	ND(0.10)	ND(0.10)	ND(0.20)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)
2,4,5 - Trichlorophenol, TCLP	400	NA	ND(0.25)	ND(0.25)	ND(0.50)	ND(12)	ND(12)	ND(0.25)	ND(0.50)
2,4,6 - Trichlorophenol, TCLP	2	NA	ND(0.050)	ND(0.050)	ND(0.10)	ND(2.5)	ND(2.5)	ND(0.050)	ND(0.10)
Methylphenols (Cresols), total, TCLP	200	NA	ND	ND	ND	6.8	9.0	ND	0.12

TABLE 4.2

**LOG OF CATEGORY 2 SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Site TCLP Threshold Parameters</i>	<i>TCLP Threshold Values</i>	<i>PP-079 TASP 2-39</i>	<i>PP-081 TASP 2-40</i>	<i>PP-083 TASP 2-41</i>	<i>PP-085 TASP 2-42</i>	<i>Duplicate PP-087 TASP 2-42</i>
<i>Metals</i>	<i>(mg / L)</i>					
Arsenic, TCLP	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
<i>VOC's</i>						
Benzene, TCLP	0.5	0.037	0.034	ND(0.025)	ND(0.050)	ND(0.050)
Carbon tetrachloride, TCLP	0.5	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	ND(0.050)
Chlorobenzene, TCLP	100	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	ND(0.050)
Chloroform, TCLP	6	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	ND(0.050)
1,2 - Dichloroethane, TCLP	0.5	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	ND(0.050)
1,1 - Dichloroethene, TCLP	0.7	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.050)
Methyl ethyl ketone, TCLP	200	ND(0.050)	ND(0.25)	ND(0.25)	ND(0.50)	ND(0.50)
Tetrachloroethylene, TCLP	0.7	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.050)
Trichloroethylene, TCLP	0.5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Vinyl Chloride, TCLP	0.2	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	ND(0.050)
<i>SVOC's</i>						
o - Cresol, TCLP	200	ND(0.10)	ND(0.20)	ND(0.20)	ND(0.25)	ND(0.25)
m - Cresol & p - Cresol, TCLP	200	ND(0.20)	ND(0.40)	ND(0.40)	ND(0.50)	ND(0.50)
1,4 - Dichlorobenzene, TCLP	7.5	ND(0.10)	ND(0.20)	ND(0.20)	ND(0.25)	ND(0.25)
2,4 - Dinitrotoluene, TCLP	0.13	ND(0.10)	ND(0.20)	ND(0.20)	ND(0.25)	ND(0.25)
Hexachlorobenzene, TCLP	0.13	ND(0.10)	ND(0.20)	ND(0.20)	ND(0.25)	ND(0.25)
Hexachlorobutadiene, TCLP	0.5	ND(0.10)	ND(0.20)	ND(0.20)	ND(0.25)	ND(0.25)
Hexachloroethane, TCLP	3	ND(0.10)	ND(0.20)	ND(0.20)	ND(0.25)	ND(0.25)
Nitrobenzene, TCLP	2	ND(0.10)	ND(0.20)	ND(0.20)	ND(0.25)	ND(0.25)
Pentachlorophenol, TCLP	100	ND(0.20)	ND(0.40)	ND(0.40)	ND(0.50)	ND(0.50)
Pyridine, TCLP	5	ND(0.20)	ND(0.40)	ND(0.40)	ND(0.50)	ND(0.50)
2,4,5 - Trichlorophenol, TCLP	400	ND(0.50)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)
2,4,6 - Trichlorophenol, TCLP	2	ND(0.10)	ND(0.20)	ND(0.20)	ND(0.25)	ND(0.25)
Methylphenols (Cresols), total, TCLP	200	ND	ND	ND	ND	ND

TABLE 4.3

**LOG OF CATEGORY 3 SAMPLES
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>ROD Soil Cleanup Parameters</i>	<i>Soil Cleanup Levels</i>		<i>PP-002 TASP 3-1</i>	<i>PP-004 TASP 3-2</i>	<i>PP-008 TASP 3-3</i>	<i>PP-601 OSB Soils</i>
Arsenic	639	(mg / kg)	41.2	60.6	183	4.8
Benzo(b)fluoranthene	1160000	(µg / kg)	8000	3300	ND(7500)	ND(1600)
Benzo(a)pyrene	116000	(µg / kg)	5200	2200	ND(7500)	ND(1600)
Dibenzo(a,h)anthracene	116000	(µg / kg)	ND(4100)	ND(1600)	ND(7500)	ND(1600)
Dibenzofuran	5390000	(µg / kg)	ND(4100)	ND(1600)	ND(7500)	ND(1600)
Indeno(1,2,3 - cd)pyrene	1160000	(µg / kg)	ND(4100)	ND(1600)	ND(7500)	ND(1600)
4 - Methylphenol	6738000	(µg / kg)	ND(4100)	ND(1600)	ND(7500)	ND(1600)
Naphthalene	2240000	(µg / kg)	5900	1700	28000	ND(1600)
Benzo(a)anthracene	1160000	(µg / kg)	7900	3000	ND(7500)	ND(1600)
<i>Site TCLP Threshold Parameters</i>	<i>TCLP</i>					
<i>Metals</i>	<i>Thresholds</i>					
Silver, TCLP	5	(mg / L)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Arsenic, TCLP	5	(mg / L)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Barium, TCLP	100	(mg / L)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Cadmium, TCLP	1	(mg / L)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Chromium, TCLP	5	(mg / L)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Lead, TCLP	5	(mg / L)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Selenium, TCLP	1	(mg / L)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
Mercury, TCLP	0.2	(mg / L)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
<i>SVOC's</i>						
o - Cresol, TCLP	200	(mg / L)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
m - Cresol & p- Cresol, TCLP	200	(mg / L)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
1,4 - Dichlorobenzene, TCLP	7.5	(mg / L)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4 - Dinitrotoluene, TCLP	0.13	(mg / L)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobenzene, TCLP	0.13	(mg / L)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobutadiene, TCLP	0.5	(mg / L)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachloroethane, TCLP	3	(mg / L)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Nitrobenzene, TCLP	2	(mg / L)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Pentachlorophenol, TCLP	100	(mg / L)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Pyridine, TCLP	5	(mg / L)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
2,4,5 - Trichlorophenol, TCLP	400	(mg / L)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
2,4,6 - Trichlorophenol, TCLP	2	(mg / L)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Methylphenols (Cresols), total, TCLP	200	(mg / L)	ND	ND	ND	ND
<i>VOC's</i>						
Benzene, TCLP	0.5	(mg / L)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Carbon tetrachloride, TCLP	0.5	(mg / L)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Chlorobenzene, TCLP	100	(mg / L)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
Chloroform, TCLP	6	(mg / L)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
1,2 - Dichloroethane, TCLP	0.5	(mg / L)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
1,1 - Dichloroethene, TCLP	0.7	(mg / L)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)
Methyl ethyl ketone, TCLP	200	(mg / L)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.25)
Tetrachloroethylene, TCLP	0.7	(mg / L)	ND(0.070)	ND(0.070)	ND(0.070)	ND(0.070)
Trichloroethylene, TCLP	0.5	(mg / L)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Vinyl Chloride, TCLP	0.2	(mg / L)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)

TABLE 4.4

**LOG OF SUBGRADE AND FINAL COVER ELEVATIONS
REMEDIAL ACTION
WAUKEGAN COKE AND GAS SITE
WAUKEGAN, ILLINOIS**

<i>Excavation Location</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation of Top of placed OSB soils</i>	<i>Elevation of Top of Import Soils</i>	<i>Elevation of Top of Topsoil</i>	<i>Thickness of Cover (inches)</i>
1	1123728	2077172		585.58	586.40	9.84
2	1123789	2077177		585.20	586.29	13.08
3	1123770	2077151		585.52	586.35	9.96
4	1123777	2077057		585.61	586.24	7.56
5	1123685	2077047	584.39	585.02	585.79	16.8
6	1123633	2076958	584.26	584.76	585.22	11.52
7	1123579	2076934	583.26	583.89	584.78	18.24
8	1123626	2076883	584.37	584.88	585.22	10.2
9	1123692	2076839		585.01	585.70	8.28
10	1123572	2076787	584.54	585.61	585.83	15.48
11	1123188	2075987	585.28	586.24	587.30	24.24
12	1123372	2076011	585.85	586.39	586.83	11.76
13	1123480	2076559	585.96	586.61	587.32	16.32
14	1123175	2076620	585.05	585.58	586.72	20.04
DSS	1122922	2076581	585.99	586.53	586.93	11.28

<i>Marginal Zone Location</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation of Top of Native Soils</i>	<i>Elevation of Top of Topsoil</i>	<i>Thickness of Cover (inches)</i>
North	1123600	2077108	585.63	586.44	9.72
Central	1123275	2076394	586.33	586.91	6.96
South	1123189	2076004	586.24	588.38	25.68

Notes:

Four inches of imported soil plus six inches of topsoil required over placed OSB Soils.

Six inches of topsoil required over areas without placed OSB soils.

No OSB soils placed at excavation locations 1,2,3,4,9, or Marginal Zone locations.

TABLE 7.1
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 1 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>Date</i>	<i>Carrier</i>	<i>Truck #</i>	<i>Trailer #</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
1	12/7/2004	U.S. Bulk Transportation, Inc.	9	203	22.48	Colmac, PA
2	12/7/2004	U.S. Bulk Transportation, Inc.	155	155A	22.49	Colmac, PA
3	12/7/2004	U.S. Bulk Transportation, Inc.	192	192-2A	19.97	Colmac, PA
4	12/7/2004	U.S. Bulk Transportation, Inc.	212	212A	25.08	Colmac, PA
5	12/7/2004	U.S. Bulk Transportation, Inc.	1277	1277-A	27.89	Colmac, PA
6	12/7/2004	U.S. Bulk Transportation, Inc.	1001	1001-A	29.85	Colmac, PA
7	12/7/2004	U.S. Bulk Transportation, Inc.	500	150	29.63	Colmac, PA
8	12/7/2004	U.S. Bulk Transportation, Inc.	90	T-130	21.91	Colmac, PA
9	12/7/2004	U.S. Bulk Transportation, Inc.	105	T-115	24.26	Colmac, PA
10	12/7/2004	U.S. Bulk Transportation, Inc.	130	T-170	23.63	Colmac, PA
11	12/7/2004	U.S. Bulk Transportation, Inc.	1505	1505A	20.43	Colmac, PA
12	12/7/2004	U.S. Bulk Transportation, Inc.	303	190	23.67	Colmac, PA
Subtotal WEIGHT-12/7/04					291.29	
13	12/8/2004	U.S. Bulk Transportation, Inc.	1512	1512A	28.95	Colmac, PA
14	12/8/2004	U.S. Bulk Transportation, Inc.	53	34	23.12	Colmac, PA
15	12/8/2004	U.S. Bulk Transportation, Inc.	RD6	4-T	31.53	Colmac, PA
16	12/8/2004	U.S. Bulk Transportation, Inc.	708	1151	21.64	Colmac, PA
17	12/8/2004	U.S. Bulk Transportation, Inc.	343	1223	21.34	Colmac, PA
18	12/8/2004	U.S. Bulk Transportation, Inc.	2961	6	22.57	Colmac, PA
19	12/8/2004	U.S. Bulk Transportation, Inc.	2A	2	22.49	Colmac, PA
20	12/8/2004	U.S. Bulk Transportation, Inc.	55	36	20.10	Colmac, PA
21	12/8/2004	U.S. Bulk Transportation, Inc.	345	1225	20.42	Colmac, PA
22	12/8/2004	U.S. Bulk Transportation, Inc.	304	T-185	22.77	Colmac, PA
23	12/8/2004	U.S. Bulk Transportation, Inc.	5802	95	22.77	Colmac, PA
24	12/8/2004	U.S. Bulk Transportation, Inc.	15096	7	33.13	Colmac, PA
Subtotal WEIGHT-12/8/04					290.83	

TABLE 7.1

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 1 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>Date</i>	<i>Carrier</i>	<i>Truck #</i>	<i>Trailer #</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
25	12/9/2004	U.S. Bulk Transportation, Inc.	142	13	23.46	Colmac, PA
26	12/9/2004	U.S. Bulk Transportation, Inc.	198-1	198-1	26.04	Colmac, PA
27	12/9/2004	U.S. Bulk Transportation, Inc.	198	198	24.93	Colmac, PA
28	12/9/2004	U.S. Bulk Transportation, Inc.	2131	2131A	21.77	Colmac, PA
29	12/9/2004	U.S. Bulk Transportation, Inc.	303	190	24.83	Colmac, PA
30	12/9/2004	U.S. Bulk Transportation, Inc.	15094	T-9	23.11	Colmac, PA
31	12/9/2004	U.S. Bulk Transportation, Inc.	346	T346	24.56	Colmac, PA
32	12/9/2004	U.S. Bulk Transportation, Inc.	1	44	19.16	Colmac, PA
33	12/9/2004	U.S. Bulk Transportation, Inc.	1505	1505A	21.04	Colmac, PA
34	12/9/2004	U.S. Bulk Transportation, Inc.	0015	1	24.35	Colmac, PA
35	12/9/2004	U.S. Bulk Transportation, Inc.	9	203	21.80	Colmac, PA
36	12/9/2004	U.S. Bulk Transportation, Inc.	31	17	23.36	Colmac, PA
Subtotal WEIGHT-12/9/04					278.41	
37	12/10/2004	U.S. Bulk Transportation, Inc.	443	DT97	24.26	Colmac, PA
38	12/10/2004	U.S. Bulk Transportation, Inc.	13	324	23.79	Colmac, PA
39	12/10/2004	U.S. Bulk Transportation, Inc.	2775	1731	23.24	Colmac, PA
40	12/10/2004	U.S. Bulk Transportation, Inc.	15092	10	21.52	Colmac, PA
41	12/10/2004	U.S. Bulk Transportation, Inc.	130	T-170	24.05	Colmac, PA
42	12/10/2004	U.S. Bulk Transportation, Inc.	362	811	24.12	Colmac, PA
43	12/10/2004	U.S. Bulk Transportation, Inc.	2230	7022	23.81	Colmac, PA
Subtotal WEIGHT-12/10/04					164.79	
44	12/13/2004	U.S. Bulk Transportation, Inc.	338	338T	22.00	Colmac, PA
45	12/13/2004	U.S. Bulk Transportation, Inc.	346	T346	23.22	Colmac, PA
46	12/13/2004	U.S. Bulk Transportation, Inc.	15094	T9	19.27	Colmac, PA
47	12/13/2004	U.S. Bulk Transportation, Inc.	1505	1505A	20.79	Colmac, PA
48	12/13/2004	U.S. Bulk Transportation, Inc.	502	502A	23.12	Colmac, PA
49	12/13/2004	U.S. Bulk Transportation, Inc.	1282	9015	22.41	Colmac, PA
50	12/13/2004	U.S. Bulk Transportation, Inc.	1279	1279	23.88	Colmac, PA
51	12/13/2004	U.S. Bulk Transportation, Inc.	9	203	24.39	Colmac, PA
Subtotal WEIGHT-12/13/04					179.08	

TABLE 7.1
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 1 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>Date</i>	<i>Carrier</i>	<i>Truck #</i>	<i>Trailer #</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
52	12/14/2004	U.S. Bulk Transportation, Inc.	105	105A	23.31	Colmac, PA
53	12/14/2004	U.S. Bulk Transportation, Inc.	10	T2	22.42	Colmac, PA
54	12/14/2004	U.S. Bulk Transportation, Inc.	24	T24	23.78	Colmac, PA
55	12/14/2004	U.S. Bulk Transportation, Inc.	45	45	22.48	Colmac, PA
56	12/14/2004	U.S. Bulk Transportation, Inc.	166	166	19.94	Colmac, PA
57	12/14/2004	U.S. Bulk Transportation, Inc.	7	103	21.76	Colmac, PA
58	12/14/2004	U.S. Bulk Transportation, Inc.	18	18A	22.08	Colmac, PA
59	12/14/2004	U.S. Bulk Transportation, Inc.	130	T-170	25.41	Colmac, PA
60	12/14/2004	U.S. Bulk Transportation, Inc.	234	8860	23.85	Colmac, PA
61	12/14/2004	U.S. Bulk Transportation, Inc.	1057	8A	24.13	Colmac, PA
62	12/14/2004	U.S. Bulk Transportation, Inc.	142	13	22.28	Colmac, PA
63	12/14/2004	U.S. Bulk Transportation, Inc.	F129	129	24.13	Colmac, PA
Subtotal WEIGHT- 12/15/04					275.57	
64	12/15/2004	U.S. Bulk Transportation, Inc.	8756	0201	25.64	Colmac, PA
65	12/15/2004	U.S. Bulk Transportation, Inc.	160-2	160-2A	23.93	Colmac, PA
66	12/15/2004	U.S. Bulk Transportation, Inc.	186	186A	24.02	Colmac, PA
67	12/15/2004	U.S. Bulk Transportation, Inc.	179	179-A	24.73	Colmac, PA
68	12/15/2004	U.S. Bulk Transportation, Inc.	0015	1	15.14	Colmac, PA
69	12/15/2004	U.S. Bulk Transportation, Inc.	66	R-42	22.49	Colmac, PA
70	12/15/2004	U.S. Bulk Transportation, Inc.	346	T346	24.68	Colmac, PA
71	12/15/2004	U.S. Bulk Transportation, Inc.	344	1232	20.02	Colmac, PA
72	12/15/2004	U.S. Bulk Transportation, Inc.	2K	2KA	22.50	Colmac, PA
73	12/15/2004	U.S. Bulk Transportation, Inc.	2961	6	21.87	Colmac, PA
74	12/15/2004	U.S. Bulk Transportation, Inc.	53	34	22.00	Colmac, PA
75	12/15/2004	U.S. Bulk Transportation, Inc.	443	DT97	23.80	Colmac, PA
76	12/15/2004	U.S. Bulk Transportation, Inc.	278	278A	24.42	Colmac, PA
77	12/15/2004	U.S. Bulk Transportation, Inc.	28	24	21.78	Colmac, PA
Subtotal WEIGHT- 12/15/04					317.02	

TABLE 7.1

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 1 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>Date</i>	<i>Carrier</i>	<i>Truck #</i>	<i>Trailer #</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
78	12/16/2004	U.S. Bulk Transportation, Inc.	708	1151	21.46	Colmac, PA
79	12/16/2004	U.S. Bulk Transportation, Inc.	74	T20	23.89	Colmac, PA
80	12/16/2004	U.S. Bulk Transportation, Inc.	105	1288A	24.36	Colmac, PA
81	12/16/2004	U.S. Bulk Transportation, Inc.	37	T67	22.70	Colmac, PA
82	12/16/2004	U.S. Bulk Transportation, Inc.	1279	1279	24.42	Colmac, PA
83	12/16/2004	U.S. Bulk Transportation, Inc.	1282	9015	23.97	Colmac, PA
84	12/16/2004	U.S. Bulk Transportation, Inc.	1262	T15	28.56	Colmac, PA
85	12/16/2004	U.S. Bulk Transportation, Inc.	1216	103	29.63	Colmac, PA
86	12/16/2004	U.S. Bulk Transportation, Inc.	1225	210	30.40	Colmac, PA
87	12/16/2004	U.S. Bulk Transportation, Inc.	120	24066	24.17	Colmac, PA
88	12/16/2004	U.S. Bulk Transportation, Inc.	104	18	22.02	Colmac, PA
89	12/16/2004	U.S. Bulk Transportation, Inc.	166	1246A	20.47	Colmac, PA
Subtotal WEIGHT-12/16/04					296.05	
Subtotal WEIGHT-DECEMBER 2004					2,093.04	
1-U	2/22/2005	Beelman Truck Co.	5142	3817	25.75	Sunnyside, UT
2-U	2/22/2005	Beelman Truck Co.	794	3837	25.25	Sunnyside, UT
3-U	2/22/2005	Beelman Truck Co.	678	3816	24.45	Sunnyside, UT
4-U	2/22/2005	Beelman Truck Co.	626	3801	24.97	Sunnyside, UT
5-U	2/22/2005	Beelman Truck Co.	968	3803	24.85	Sunnyside, UT
6-U	2/22/2005	Beelman Truck Co.	478	3802	24.15	Sunnyside, UT
7-U	2/22/2005	Beelman Truck Co.	5144	3729	25.75	Sunnyside, UT
8-U	2/22/2005	Beelman Truck Co.	5119	3728	26.65	Sunnyside, UT
9-U	2/22/2005	Beelman Truck Co.	430	3726	25.38	Sunnyside, UT
10-U	2/22/2005	Beelman Truck Co.	502	3814	25.00	Sunnyside, UT
11-U	2/22/2005	Beelman Truck Co.	5165	3750	25.17	Sunnyside, UT
12-U	2/22/2005	Beelman Truck Co.	Not available	Not available	26.00	Sunnyside, UT
Subtotal WEIGHT-2/22/05					303.37	

TABLE 7.1
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 1 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>Date</i>	<i>Carrier</i>	<i>Truck #</i>	<i>Trailer #</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
13-U	2/23/2005	Beelman Truck Co.	5141	3825	23.88	Sunnyside, UT
14-U	2/23/2005	Beelman Truck Co.	500	283	26.24	Sunnyside, UT
15-U	2/23/2005	Beelman Truck Co.	5140	3807	25.41	Sunnyside, UT
16-U	2/23/2005	Beelman Truck Co.	5156	3659	26.07	Sunnyside, UT
17-U	2/23/2005	Beelman Truck Co.	2174	3656	25.08	Sunnyside, UT
Subtotal WEIGHT-2/23/05					126.68	
18-U	2/24/2005	U.S. Bulk Transportation, Inc.	2335	1022	22.52	Sunnyside, UT
19-U	2/24/2005	U.S. Bulk Transportation, Inc.	15	1	21.59	Sunnyside, UT
20-U	2/24/2005	U.S. Bulk Transportation, Inc.	513	2	21.56	Sunnyside, UT
21-U	2/24/2005	U.S. Bulk Transportation, Inc.	2345	1522	23.10	Sunnyside, UT
22-U	2/24/2005	U.S. Bulk Transportation, Inc.	8	8	23.19	Sunnyside, UT
Subtotal WEIGHT-2/24/05					111.96	
23-U	2/25/2005	U.S. Bulk Transportation, Inc.	105	105A	24.14	Sunnyside, UT
24-U	2/25/2005	U.S. Bulk Transportation, Inc.	332	332A	20.31	Sunnyside, UT
25-U	2/25/2005	U.S. Bulk Transportation, Inc.	340	6843	19.09	Sunnyside, UT
26-U	2/25/2005	U.S. Bulk Transportation, Inc.	139	229	23.19	Sunnyside, UT
27-U	2/25/2005	U.S. Bulk Transportation, Inc.	260	261	21.06	Sunnyside, UT
28-U	2/25/2005	U.S. Bulk Transportation, Inc.	444	444-?	23.77	Sunnyside, UT
29-U	2/25/2005	U.S. Bulk Transportation, Inc.	204	77	21.20	Sunnyside, UT
30-U	2/25/2005	U.S. Bulk Transportation, Inc.	2200	4522	24.03	Sunnyside, UT
31-U	2/25/2005	U.S. Bulk Transportation, Inc.	J-2	J-2	25.27	Sunnyside, UT
Subtotal WEIGHT-2/25/05					202.06	

TABLE 7.1

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 1 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>Date</i>	<i>Carrier</i>	<i>Truck #</i>	<i>Trailer #</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
32-U	2/28/2005	Beelman Truck Co.	5161	3805	26.58	Sunnyside, UT
33-U	2/28/2005	Beelman Truck Co.	5155	3813	25.81	Sunnyside, UT
34-U	2/28/2005	Beelman Truck Co.	5169	3760	26.41	Sunnyside, UT
35-U	2/28/2005	Beelman Truck Co.	5142	3817	25.74	Sunnyside, UT
36-U	2/28/2005	Beelman Truck Co.	2157	3820	25.58	Sunnyside, UT
37-U	2/28/2005	Beelman Truck Co.	402	287	25.61	Sunnyside, UT
38-U	2/28/2005	Beelman Truck Co.	2163	3819	25.50	Sunnyside, UT
39-U	2/28/2005	Beelman Truck Co.	5164	3821	25.03	Sunnyside, UT
40-U	2/28/2005	Beelman Truck Co.	195	1121	23.43	Sunnyside, UT
41-U	2/28/2005	Beelman Truck Co.	2K	2KA	22.62	Sunnyside, UT
42-U	2/28/2005	Beelman Truck Co.	5140	3807	24.87	Sunnyside, UT
43-U	2/28/2005	Beelman Truck Co.	2174	3656	24.00	Sunnyside, UT
44-U	2/28/2005	Beelman Truck Co.	2225	6522	24.21	Sunnyside, UT
45-U	2/28/2005	Beelman Truck Co.	5141	3825	25.03	Sunnyside, UT
46-U	2/28/2005	Beelman Truck Co.	5156	3659	23.74	Sunnyside, UT
47-U	2/28/2005	Beelman Truck Co.	975	975T	22.97	Sunnyside, UT
48-U	2/28/2005	Beelman Truck Co.	985	056	24.00	Sunnyside, UT
49-U	2/28/2005	Beelman Truck Co.	972	3812	24.89	Sunnyside, UT
50-U	2/28/2005	Beelman Truck Co.	0250	4208	24.65	Sunnyside, UT
51-U	2/28/2005	Beelman Truck Co.	15	4501	23.41	Sunnyside, UT
52-U	2/28/2005	Beelman Truck Co.	794	3837	25.24	Sunnyside, UT
Subtotal WEIGHT- 2/28/05					519.32	
Subtotal WEIGHT- FEBRUARY 2005					1,263.39	

TABLE 7.1
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 1 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>Date</i>	<i>Carrier</i>	<i>Truck #</i>	<i>Trailer #</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
53-U	3/1/2005	Beelman Truck Co.	626	3801	25.05	Sunnyside, UT
54-U	3/1/2005	Beelman Truck Co.	502	3814	24.60	Sunnyside, UT
55-U	3/1/2005	Beelman Truck Co.	478	3802	24.00	Sunnyside, UT
56-U	3/1/2005	Beelman Truck Co.	968	3803	24.85	Sunnyside, UT
57-U	3/1/2005	Beelman Truck Co.	5163	3822	25.98	Sunnyside, UT
58-U	3/1/2005	U.S. Bulk Transportation, Inc.	89	33457	23.67	Sunnyside, UT
59-U	3/1/2005	Beelman Truck Co.	5144	3729	25.90	Sunnyside, UT
60-U	3/1/2005	Beelman Truck Co.	5119	3725	26.75	Sunnyside, UT
61-U	3/1/2005	Beelman Truck Co.	908	3706	24.59	Sunnyside, UT
62-U	3/1/2005	U.S. Bulk Transportation, Inc.	119	163	24.49	Sunnyside, UT
63-U	3/1/2005	U.S. Bulk Transportation, Inc.	332	332A	22.74	Sunnyside, UT
64-U	3/1/2005	U.S. Bulk Transportation, Inc.	74	4211	23.93	Sunnyside, UT
65-U	3/1/2005	U.S. Bulk Transportation, Inc.	0006	4301	24.22	Sunnyside, UT
66-U	3/1/2005	U.S. Bulk Transportation, Inc.	125	818	24.45	Sunnyside, UT
Subtotal WEIGHT- 3/1/05					345.22	
67-U	3/2/2005	Beelman Truck Co.	430	3726	25.58	Sunnyside, UT
68-U	3/2/2005	U.S. Bulk Transportation, Inc.	850	T850	21.67	Sunnyside, UT
69-U	3/2/2005	Beelman Truck Co.	5160	3633	24.00	Sunnyside, UT
70-U	3/2/2005	U.S. Bulk Transportation, Inc.	2315	8022	23.87	Sunnyside, UT
71-U	3/2/2005	U.S. Bulk Transportation, Inc.	2230	7022	25.33	Sunnyside, UT
72-U	3/2/2005	U.S. Bulk Transportation, Inc.	2320	2522	23.55	Sunnyside, UT
73-U	3/2/2005	U.S. Bulk Transportation, Inc.	99	5	23.52	Sunnyside, UT
74-U	3/2/2005	U.S. Bulk Transportation, Inc.	2260	8598	23.35	Sunnyside, UT
Subtotal WEIGHT- 3/2/05					190.87	
75-U	3/3/2005	U.S. Bulk Transportation, Inc.	15094	T-9	20.68	Sunnyside, UT
76-U	3/3/2005	U.S. Bulk Transportation, Inc.	15096	T-7	19.72	Sunnyside, UT
77-U	3/3/2005	U.S. Bulk Transportation, Inc.	58	D51	20.73	Sunnyside, UT
78-U	3/3/2005	U.S. Bulk Transportation, Inc.	2325	5522	22.18	Sunnyside, UT
Subtotal WEIGHT- 3/3/05					83.31	

TABLE 7.1

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 1 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>Date</i>	<i>Carrier</i>	<i>Truck #</i>	<i>Trailer #</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
Subtotal WEIGHT- MARCH 2005					619.40	

TABLE 7.1

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 1 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>Date</i>	<i>Carrier</i>	<i>Truck #</i>	<i>Trailer #</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
79-U	5/10/2005	Beelman Truck Co.	5142	3817	27.73	Sunnyside, UT
80-U	5/10/2005	Beelman Truck Co.	5144	3729	25.89	Sunnyside, UT
81-U	5/10/2005	Beelman Truck Co.	5119	3728	25.48	Sunnyside, UT
82-U	5/10/2005	Beelman Truck Co.	626	3801	25.04	Sunnyside, UT
83-U	5/10/2005	Beelman Truck Co.	968	3803	25.00	Sunnyside, UT
84-U	5/10/2005	Beelman Truck Co.	616	3809	24.92	Sunnyside, UT
Subtotal WEIGHT-5/10/05					154.06	
85-U	5/11/2005	Beelman Truck Co.	4106	3834	24.00	Sunnyside, UT
86-U	5/11/2005	Beelman Truck Co.	678	3816	24.78	Sunnyside, UT
87-U	5/11/2005	Beelman Truck Co.	5163	3822	25.90	Sunnyside, UT
88-U	5/11/2005	Beelman Truck Co.	926	3836	24.00	Sunnyside, UT
89-U	5/11/2005	Beelman Truck Co.	794	3837	24.74	Sunnyside, UT
90-U	5/11/2005	Beelman Truck Co.	840	3812	24.00	Sunnyside, UT
91-U	5/11/2005	Beelman Truck Co.	5164	3821	25.51	Sunnyside, UT
Subtotal WEIGHT-5/11/05					172.93	
92-U	5/12/2005	Beelman Truck Co.	5140	3807	24.43	Sunnyside, UT
93-U	5/12/2005	Beelman Truck Co.	555	3659	23.58	Sunnyside, UT
94-U	5/12/2005	Beelman Truck Co.	5162	3835	26.32	Sunnyside, UT
95-U	5/12/2005	Beelman Truck Co.	5169	3760	27.24	Sunnyside, UT
Subtotal WEIGHT-5/12/05					101.57	
96-U	5/16/2005	Beelman Truck Co.	680	3806	25.13	Sunnyside, UT
97-U	5/16/2005	Beelman Truck Co.	5155	3813	26.28	Sunnyside, UT
98-U	5/16/2005	Beelman Truck Co.	5168	3804	25.53	Sunnyside, UT
99-U	5/16/2005	Beelman Truck Co.	5156	3713	26.18	Sunnyside, UT
100-U	5/16/2005	Beelman Truck Co.	6161	3820	25.83	Sunnyside, UT
101-U	5/16/2005	Beelman Truck Co.	2163	3819	25.67	Sunnyside, UT
102-U	5/16/2005	Beelman Truck Co.	502	3814	24.55	Sunnyside, UT
Subtotal WEIGHT-5/16/05					179.17	

TABLE 7.1
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 1 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>Date</i>	<i>Carrier</i>	<i>Truck #</i>	<i>Trailer #</i>		<i>Actual Weight (Tons)</i>	<i>Destination</i>
103-U	5/17/2005	Beelman Truck Co.	800	3811		25.33	Sunnyside, UT
					Subtotal WEIGHT- 5/17/05	25.33	
					Subtotal WEIGHT- MAY 2005	633.06	
					TOTAL WEIGHT TO SUNNYSIDE, UT	2,515.85	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1	IL11025000	1/21/2005	Midwest REM	17.94	Onyx Zion Landfill Zion, IL	
2	IL11024999	1/21/2005	Midwest REM	18.26	Onyx Zion Landfill Zion, IL	
3	IL11024998	1/21/2005	Midwest REM	14.53	Onyx Zion Landfill Zion, IL	
4	IL11024997	1/21/2005	Midwest REM	19.67	Onyx Zion Landfill Zion, IL	
5	IL11024996	1/21/2005	Midwest REM	14.26	Onyx Zion Landfill Zion, IL	
6	IL11024995	1/21/2005	Midwest REM	14.29	Onyx Zion Landfill Zion, IL	
7	IL11024994	1/21/2005	Midwest REM	16.19	Onyx Zion Landfill Zion, IL	
8	IL11024993	1/21/2005	Midwest REM	16.89	Onyx Zion Landfill Zion, IL	
9	IL11024992	1/21/2005	Midwest REM	14.81	Onyx Zion Landfill Zion, IL	
10	IL11024991	1/21/2005	Midwest REM	17.08	Onyx Zion Landfill Zion, IL	
11	IL11024990	1/21/2005	Midwest REM	17.34	Onyx Zion Landfill Zion, IL	
12	IL11024989	1/21/2005	Midwest REM	16.56	Onyx Zion Landfill Zion, IL	
13	IL11024988	1/21/2005	Midwest REM	19.36	Onyx Zion Landfill Zion, IL	
14	IL11024987	1/21/2005	Midwest REM	14.01	Onyx Zion Landfill Zion, IL	
15	IL11024986	1/21/2005	Midwest REM	14.61	Onyx Zion Landfill Zion, IL	
16	IL11024985	1/21/2005	Midwest REM	13.47	Onyx Zion Landfill Zion, IL	
17	IL11024984	1/21/2005	Midwest REM	15.52	Onyx Zion Landfill Zion, IL	
18	IL11024983	1/21/2005	Midwest REM	18.00	Onyx Zion Landfill Zion, IL	
19	IL11024982	1/21/2005	Midwest REM	16.38	Onyx Zion Landfill Zion, IL	
20	IL11024981	1/21/2005	Midwest REM	15.65	Onyx Zion Landfill Zion, IL	
21	IL11024980	1/21/2005	Midwest REM	17.57	Onyx Zion Landfill Zion, IL	
22	IL11024979	1/21/2005	Midwest REM	19.80	Onyx Zion Landfill Zion, IL	
23	IL11024978	1/21/2005	Midwest REM	15.78	Onyx Zion Landfill Zion, IL	
24	IL11024977	1/21/2005	Midwest REM	15.16	Onyx Zion Landfill Zion, IL	
25	IL11024976	1/21/2005	Midwest REM	13.87	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
26	IL11024975	1/21/2005	Midwest REM	16.97	Onyx Zion Landfill Zion, IL	
27	IL11024974	1/21/2005	Midwest REM	15.70	Onyx Zion Landfill Zion, IL	
28	IL11024973	1/21/2005	Midwest REM	19.69	Onyx Zion Landfill Zion, IL	
29	IL11024972	1/21/2005	Midwest REM	16.53	Onyx Zion Landfill Zion, IL	
30	IL11024971	1/21/2005	Midwest REM	17.34	Onyx Zion Landfill Zion, IL	
31	IL11024970	1/21/2005	Midwest REM	16.49	Onyx Zion Landfill Zion, IL	
32	IL11024969	1/21/2005	Midwest REM	16.06	Onyx Zion Landfill Zion, IL	
33	IL11024968	1/21/2005	Midwest REM	15.53	Onyx Zion Landfill Zion, IL	
34	IL11024967	1/21/2005	Midwest REM	17.56	Onyx Zion Landfill Zion, IL	
35	IL11024966	1/21/2005	Midwest REM	19.43	Onyx Zion Landfill Zion, IL	
36	IL11024965	1/21/2005	Midwest REM	19.49	Onyx Zion Landfill Zion, IL	
37	IL11024964	1/21/2005	Midwest REM	22.12	Onyx Zion Landfill Zion, IL	
38	IL11024963	1/21/2005	Midwest REM	22.61	Onyx Zion Landfill Zion, IL	
39	IL11024962	1/21/2005	Midwest REM	20.71	Onyx Zion Landfill Zion, IL	
40	IL11024961	1/21/2005	Midwest REM	17.14	Onyx Zion Landfill Zion, IL	
41	IL11024960	1/21/2005	Midwest REM	16.89	Onyx Zion Landfill Zion, IL	
42	IL11024959	1/21/2005	Midwest REM	22.06	Onyx Zion Landfill Zion, IL	
43	IL11024958	1/21/2005	Midwest REM	22.64	Onyx Zion Landfill Zion, IL	
44	IL11024957	1/21/2005	Midwest REM	19.88	Onyx Zion Landfill Zion, IL	
45	IL11024956	1/21/2005	Midwest REM	16.26	Onyx Zion Landfill Zion, IL	
46	IL11024955	1/21/2005	Midwest REM	20.45	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 1/21/05	798.55	
47	IL11024954	1/24/2005	Midwest REM	25.85	Onyx Zion Landfill Zion, IL	
48	IL11024953	1/24/2005	Midwest REM	15.49	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 1/24/05	41.34	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
51	IL11024950	1/25/2005	Midwest REM	19.20	Onyx Zion Landfill Zion, IL	
52	IL11024949	1/25/2005	Midwest REM	19.86	Onyx Zion Landfill Zion, IL	
53	IL11024948	1/25/2005	Midwest REM	20.76	Onyx Zion Landfill Zion, IL	
54	IL11024947	1/25/2005	Midwest REM	14.57	Onyx Zion Landfill Zion, IL	
55	IL11024946	1/25/2005	Midwest REM	18.03	Onyx Zion Landfill Zion, IL	
56	IL11024945	1/25/2005	Midwest REM	15.98	Onyx Zion Landfill Zion, IL	
57	IL11024944	1/25/2005	Midwest REM	16.60	Onyx Zion Landfill Zion, IL	
58	IL11024943	1/25/2005	Midwest REM	18.22	Onyx Zion Landfill Zion, IL	
59	IL11024942	1/25/2005	Midwest REM	17.87	Onyx Zion Landfill Zion, IL	
60	IL11024941	1/25/2005	Midwest REM	17.12	Onyx Zion Landfill Zion, IL	
61	IL11024940	1/25/2005	Midwest REM	18.60	Onyx Zion Landfill Zion, IL	
62	IL11024939	1/25/2005	Midwest REM	16.12	Onyx Zion Landfill Zion, IL	
63	IL11024938	1/25/2005	Midwest REM	16.90	Onyx Zion Landfill Zion, IL	
64	IL11024937	1/25/2005	Midwest REM	19.22	Onyx Zion Landfill Zion, IL	
65	IL11024936	1/25/2005	Midwest REM	19.02	Onyx Zion Landfill Zion, IL	
66	IL11024935	1/25/2005	Midwest REM	17.20	Onyx Zion Landfill Zion, IL	
67	IL11024934	1/25/2005	Midwest REM	19.01	Onyx Zion Landfill Zion, IL	
68	IL11024933	1/25/2005	Midwest REM	19.07	Onyx Zion Landfill Zion, IL	
69	IL11024932	1/25/2005	Midwest REM	22.07	Onyx Zion Landfill Zion, IL	
70	IL11024931	1/25/2005	Midwest REM	23.31	Onyx Zion Landfill Zion, IL	
71	IL11024930	1/25/2005	Midwest REM	17.30	Onyx Zion Landfill Zion, IL	
72	IL11024929	1/25/2005	Midwest REM	21.15	Onyx Zion Landfill Zion, IL	
73	IL11024928	1/25/2005	Midwest REM	17.22	Onyx Zion Landfill Zion, IL	
74	IL11024927	1/25/2005	Midwest REM	19.05	Onyx Zion Landfill Zion, IL	
75	IL11024926	1/25/2005	Midwest REM	17.66	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
76	IL11024925	1/25/2005	Midwest REM	18.68	Onyx Zion Landfill Zion, IL	
77	IL11024924	1/25/2005	Midwest REM	23.87	Onyx Zion Landfill Zion, IL	
78	IL11024923	1/25/2005	Midwest REM	16.84	Onyx Zion Landfill Zion, IL	
79	IL11024922	1/25/2005	Midwest REM	18.98	Onyx Zion Landfill Zion, IL	
80	IL11024921	1/25/2005	Midwest REM	20.97	Onyx Zion Landfill Zion, IL	
81	IL11024920	1/25/2005	Midwest REM	21.66	Onyx Zion Landfill Zion, IL	
82	IL11024919	1/25/2005	Midwest REM	15.50	Onyx Zion Landfill Zion, IL	
83	IL11024918	1/25/2005	Midwest REM	18.46	Onyx Zion Landfill Zion, IL	
84	IL11024917	1/25/2005	Midwest REM	18.62	Onyx Zion Landfill Zion, IL	
85	IL11024916	1/25/2005	Midwest REM	19.48	Onyx Zion Landfill Zion, IL	
86	IL11024915	1/25/2005	Midwest REM	20.23	Onyx Zion Landfill Zion, IL	
87	IL11024914	1/25/2005	Midwest REM	16.38	Onyx Zion Landfill Zion, IL	
88	IL11024913	1/25/2005	Midwest REM	20.50	Onyx Zion Landfill Zion, IL	
89	IL11024912	1/25/2005	Midwest REM	21.06	Onyx Zion Landfill Zion, IL	
90	IL11024911	1/25/2005	Midwest REM	22.09	Onyx Zion Landfill Zion, IL	
91	IL11024910	1/25/2005	Midwest REM	18.69	Onyx Zion Landfill Zion, IL	
92	IL11024909	1/25/2005	Midwest REM	15.25	Onyx Zion Landfill Zion, IL	
93	IL11024908	1/25/2005	Midwest REM	17.81	Onyx Zion Landfill Zion, IL	
94	IL11024907	1/25/2005	Midwest REM	17.86	Onyx Zion Landfill Zion, IL	
95	IL11024906	1/25/2005	Midwest REM	15.52	Onyx Zion Landfill Zion, IL	
96	IL11024905	1/25/2005	Midwest REM	20.25	Onyx Zion Landfill Zion, IL	
97	IL11024904	1/25/2005	Midwest REM	19.08	Onyx Zion Landfill Zion, IL	
98	IL11024903	1/25/2005	Midwest REM	16.77	Onyx Zion Landfill Zion, IL	
99	IL11024902	1/25/2005	Midwest REM	15.39	Onyx Zion Landfill Zion, IL	
100	IL11024901	1/25/2005	Midwest REM	18.69	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
101	IL11024900	1/25/2005	Midwest REM	18.02	Onyx Zion Landfill Zion, IL	
102	IL11024899	1/25/2005	Midwest REM	18.93	Onyx Zion Landfill Zion, IL	
103	IL11024898	1/25/2005	Midwest REM	19.58	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 1/25/05		
				986.27		
104	IL11024897	1/26/2005	Midwest REM	16.75	Onyx Zion Landfill Zion, IL	
105	IL11024896	1/26/2005	Midwest REM	14.21	Onyx Zion Landfill Zion, IL	
106	IL11024895	1/26/2005	Midwest REM	13.98	Onyx Zion Landfill Zion, IL	
107	IL11024894	1/26/2005	Midwest REM	19.48	Onyx Zion Landfill Zion, IL	
108	IL11024893	1/26/2005	Midwest REM	21.34	Onyx Zion Landfill Zion, IL	
109	IL11024892	1/26/2005	Midwest REM	18.59	Onyx Zion Landfill Zion, IL	
110	IL11024891	1/26/2005	Midwest REM	18.53	Onyx Zion Landfill Zion, IL	
111	IL11024890	1/26/2005	Midwest REM	19.33	Onyx Zion Landfill Zion, IL	
112	IL11024889	1/26/2005	Midwest REM	15.97	Onyx Zion Landfill Zion, IL	
113	IL11024888	1/26/2005	Midwest REM	18.37	Onyx Zion Landfill Zion, IL	
114	IL11024887	1/26/2005	Midwest REM	17.15	Onyx Zion Landfill Zion, IL	
115	IL11024886	1/26/2005	Midwest REM	15.14	Onyx Zion Landfill Zion, IL	
116	IL11024885	1/26/2005	Midwest REM	18.75	Onyx Zion Landfill Zion, IL	
117	IL11024884	1/26/2005	Midwest REM	16.17	Onyx Zion Landfill Zion, IL	
118	IL11024883	1/26/2005	Midwest REM	19.84	Onyx Zion Landfill Zion, IL	
119	IL11024882	1/26/2005	Midwest REM	15.11	Onyx Zion Landfill Zion, IL	
120	IL11024881	1/26/2005	Midwest REM	15.84	Onyx Zion Landfill Zion, IL	
121	IL11024880	1/26/2005	Midwest REM	23.76	Onyx Zion Landfill Zion, IL	
122	IL11024879	1/26/2005	Midwest REM	17.56	Onyx Zion Landfill Zion, IL	
123	IL11024878	1/26/2005	Midwest REM	24.88	Onyx Zion Landfill Zion, IL	
124	IL11024877	1/26/2005	Midwest REM	19.78	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
125	IL11024876	1/26/2005	Midwest REM	18.11	Onyx Zion Landfill Zion, IL	
126	IL11024875	1/26/2005	Midwest REM	17.95	Onyx Zion Landfill Zion, IL	
127	IL11024874	1/26/2005	Midwest REM	20.23	Onyx Zion Landfill Zion, IL	
128	IL11024873	1/26/2005	Midwest REM	17.52	Onyx Zion Landfill Zion, IL	
129	IL11024872	1/26/2005	Midwest REM	21.76	Onyx Zion Landfill Zion, IL	
130	IL11024871	1/26/2005	Midwest REM	20.62	Onyx Zion Landfill Zion, IL	
131	IL11024870	1/26/2005	Midwest REM	23.17	Onyx Zion Landfill Zion, IL	
132	IL11024869	1/26/2005	Midwest REM	17.62	Onyx Zion Landfill Zion, IL	
133	IL11024868	1/26/2005	Midwest REM	18.87	Onyx Zion Landfill Zion, IL	
134	IL11024867	1/26/2005	Midwest REM	19.44	Onyx Zion Landfill Zion, IL	
135	IL11024866	1/26/2005	Midwest REM	19.75	Onyx Zion Landfill Zion, IL	
136	IL11024865	1/26/2005	Midwest REM	18.11	Onyx Zion Landfill Zion, IL	
137	IL11024864	1/26/2005	Midwest REM	21.88	Onyx Zion Landfill Zion, IL	
138	IL11024863	1/26/2005	Midwest REM	21.87	Onyx Zion Landfill Zion, IL	
139	IL11024862	1/26/2005	Midwest REM	19.44	Onyx Zion Landfill Zion, IL	
140	IL11024861	1/26/2005	Midwest REM	22.03	Onyx Zion Landfill Zion, IL	
141	IL11024860	1/26/2005	Midwest REM	17.96	Onyx Zion Landfill Zion, IL	
142	IL11024859	1/26/2005	Midwest REM	20.13	Onyx Zion Landfill Zion, IL	
143	IL11024858	1/26/2005	Midwest REM	17.14	Onyx Zion Landfill Zion, IL	
144	IL11024857	1/26/2005	Midwest REM	19.39	Onyx Zion Landfill Zion, IL	
145	IL11024856	1/26/2005	Midwest REM	22.07	Onyx Zion Landfill Zion, IL	
146	IL11024855	1/26/2005	Midwest REM	18.01	Onyx Zion Landfill Zion, IL	
147	IL11024854	1/26/2005	Midwest REM	18.48	Onyx Zion Landfill Zion, IL	
148	IL11024853	1/26/2005	Midwest REM	20.10	Onyx Zion Landfill Zion, IL	
149	IL11024852	1/26/2005	Midwest REM	21.18	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
150	IL11024851	1/26/2005	Midwest REM	21.91	Onyx Zion Landfill Zion, IL	
151	IL11024850	1/26/2005	Midwest REM	23.60	Onyx Zion Landfill Zion, IL	
152	IL11024849	1/26/2005	Midwest REM	21.62	Onyx Zion Landfill Zion, IL	
153	IL11024848	1/26/2005	Midwest REM	21.54	Onyx Zion Landfill Zion, IL	
154	IL11024847	1/26/2005	Midwest REM	18.32	Onyx Zion Landfill Zion, IL	
155	IL11024846	1/26/2005	Midwest REM	21.06	Onyx Zion Landfill Zion, IL	
156	IL11024845	1/26/2005	Midwest REM	18.45	Onyx Zion Landfill Zion, IL	
157	IL11024844	1/26/2005	Midwest REM	17.93	Onyx Zion Landfill Zion, IL	
158	IL11024843	1/26/2005	Midwest REM	20.29	Onyx Zion Landfill Zion, IL	
159	IL11024842	1/26/2005	Midwest REM	20.32	Onyx Zion Landfill Zion, IL	
160	IL11024841	1/26/2005	Midwest REM	19.82	Onyx Zion Landfill Zion, IL	
161	IL11024840	1/26/2005	Midwest REM	18.96	Onyx Zion Landfill Zion, IL	
162	IL11024839	1/26/2005	Midwest REM	22.71	Onyx Zion Landfill Zion, IL	
163	IL11024838	1/26/2005	Midwest REM	23.19	Onyx Zion Landfill Zion, IL	
164	IL11024837	1/26/2005	Midwest REM	24.07	Onyx Zion Landfill Zion, IL	
165	IL11024836	1/26/2005	Midwest REM	19.85	Onyx Zion Landfill Zion, IL	
166	IL11024835	1/26/2005	Midwest REM	20.64	Onyx Zion Landfill Zion, IL	
167	IL11024834	1/26/2005	Midwest REM	17.91	Onyx Zion Landfill Zion, IL	
168	IL11024833	1/26/2005	Midwest REM	18.31	Onyx Zion Landfill Zion, IL	
169	IL11024832	1/26/2005	Midwest REM	19.34	Onyx Zion Landfill Zion, IL	
170	IL11024831	1/26/2005	Midwest REM	16.48	Onyx Zion Landfill Zion, IL	
171	IL11024830	1/26/2005	Midwest REM	20.03	Onyx Zion Landfill Zion, IL	
172	IL11024829	1/26/2005	Midwest REM	20.80	Onyx Zion Landfill Zion, IL	
173	IL11024828	1/26/2005	Midwest REM	23.84	Onyx Zion Landfill Zion, IL	
174	IL11024827	1/26/2005	Midwest REM	17.89	Onyx Zion Landfill Zion, IL	

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

TABLE 72

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
175	IL11024826	1/27/2005	Midwest REM	21.25	Onyx Zion Landfill Zion, IL	
176	IL11024825	1/27/2005	Midwest REM	20.89	Onyx Zion Landfill Zion, IL	
177	IL11024824	1/27/2005	Midwest REM	17.64	Onyx Zion Landfill Zion, IL	
178	IL11024823	1/27/2005	Midwest REM	17.96	Onyx Zion Landfill Zion, IL	
179	IL11024822	1/27/2005	Midwest REM	21.43	Onyx Zion Landfill Zion, IL	
180	IL11024821	1/27/2005	Midwest REM	23.82	Onyx Zion Landfill Zion, IL	
181	IL11024820	1/27/2005	Midwest REM	18.30	Onyx Zion Landfill Zion, IL	
182	IL11024819	1/27/2005	Midwest REM	18.82	Onyx Zion Landfill Zion, IL	
183	IL11024818	1/27/2005	Midwest REM	22.17	Onyx Zion Landfill Zion, IL	
184	IL11024817	1/27/2005	Midwest REM	21.68	Onyx Zion Landfill Zion, IL	
185	IL11024816	1/27/2005	Midwest REM	18.44	Onyx Zion Landfill Zion, IL	
186	IL11024815	1/27/2005	Midwest REM	18.34	Onyx Zion Landfill Zion, IL	
187	IL11024814	1/27/2005	Midwest REM	17.08	Onyx Zion Landfill Zion, IL	
188	IL11024813	1/27/2005	Midwest REM	18.38	Onyx Zion Landfill Zion, IL	
189	IL11024812	1/27/2005	Midwest REM	19.75	Onyx Zion Landfill Zion, IL	
190	IL11024811	1/27/2005	Midwest REM	22.11	Onyx Zion Landfill Zion, IL	
191	IL11024810	1/27/2005	Midwest REM	24.49	Onyx Zion Landfill Zion, IL	
192	IL11024809	1/27/2005	Midwest REM	20.22	Onyx Zion Landfill Zion, IL	
193	IL11024808	1/27/2005	Midwest REM	17.63	Onyx Zion Landfill Zion, IL	
194	IL11024807	1/27/2005	Midwest REM	20.60	Onyx Zion Landfill Zion, IL	
195	IL11024806	1/27/2005	Midwest REM	19.78	Onyx Zion Landfill Zion, IL	
196	IL11024805	1/27/2005	Midwest REM	18.79	Onyx Zion Landfill Zion, IL	
197	IL11024804	1/27/2005	Midwest REM	19.12	Onyx Zion Landfill Zion, IL	
198	IL11024803	1/27/2005	Midwest REM	18.16	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 1/26/05				1,382.24		

**TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

TABLE 72

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
199	IL11024802	1/27/2005	Midwest REM	18.52	Onyx Zion Landfill Zion, IL	
200	IL11024801	1/27/2005	Midwest REM	15.71	Onyx Zion Landfill Zion, IL	
201	IL11024800	1/27/2005	Midwest REM	16.48	Onyx Zion Landfill Zion, IL	
202	IL11024799	1/27/2005	Midwest REM	17.12	Onyx Zion Landfill Zion, IL	
203	IL11024798	1/27/2005	Midwest REM	16.71	Onyx Zion Landfill Zion, IL	
204	IL11024797	1/27/2005	Midwest REM	18.16	Onyx Zion Landfill Zion, IL	
205	IL11024796	1/27/2005	Midwest REM	17.09	Onyx Zion Landfill Zion, IL	
206	IL11024795	1/27/2005	Midwest REM	15.08	Onyx Zion Landfill Zion, IL	
207	IL11024794	1/27/2005	Midwest REM	18.87	Onyx Zion Landfill Zion, IL	
208	IL11024793	1/27/2005	Midwest REM	19.59	Onyx Zion Landfill Zion, IL	
209	IL11024792	1/27/2005	Midwest REM	17.73	Onyx Zion Landfill Zion, IL	
210	IL11024791	1/27/2005	Midwest REM	16.61	Onyx Zion Landfill Zion, IL	
211	IL11024790	1/27/2005	Midwest REM	16.85	Onyx Zion Landfill Zion, IL	
212	IL11024789	1/27/2005	Midwest REM	17.32	Onyx Zion Landfill Zion, IL	
213	IL11024788	1/27/2005	Midwest REM	16.03	Onyx Zion Landfill Zion, IL	
214	IL11024787	1/27/2005	Midwest REM	18.65	Onyx Zion Landfill Zion, IL	
215	IL11024786	1/27/2005	Midwest REM	20.06	Onyx Zion Landfill Zion, IL	
216	IL11024785	1/27/2005	Midwest REM	19.82	Onyx Zion Landfill Zion, IL	
217	IL11024784	1/27/2005	Midwest REM	20.68	Onyx Zion Landfill Zion, IL	
218	IL11024783	1/27/2005	Midwest REM	19.52	Onyx Zion Landfill Zion, IL	
219	IL11024782	1/27/2005	Midwest REM	17.95	Onyx Zion Landfill Zion, IL	
220	IL11024781	1/27/2005	Midwest REM	16.11	Onyx Zion Landfill Zion, IL	
221	IL11024780	1/27/2005	Midwest REM	15.80	Onyx Zion Landfill Zion, IL	
222	IL11024779	1/27/2005	Midwest REM	17.61	Onyx Zion Landfill Zion, IL	
223	IL11024778	1/27/2005	Midwest REM	17.38	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
224	IL11024777	1/27/2005	Midwest REM	18.62	Onyx Zion Landfill Zion, IL	
225	IL11024776	1/27/2005	Midwest REM	16.33	Onyx Zion Landfill Zion, IL	
226	IL11024775	1/27/2005	Midwest REM	20.26	Onyx Zion Landfill Zion, IL	
227	IL11024774	1/27/2005	Midwest REM	18.00	Onyx Zion Landfill Zion, IL	
228	IL11024773	1/27/2005	Midwest REM	18.14	Onyx Zion Landfill Zion, IL	
229	IL11024772	1/27/2005	Midwest REM	15.13	Onyx Zion Landfill Zion, IL	
230	IL11024771	1/27/2005	Midwest REM	17.90	Onyx Zion Landfill Zion, IL	
231	IL11024770	1/27/2005	Midwest REM	18.43	Onyx Zion Landfill Zion, IL	
232	IL11024769	1/27/2005	Midwest REM	16.08	Onyx Zion Landfill Zion, IL	
233	IL11024768	1/27/2005	Midwest REM	19.31	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 1/27/05				1,096.50		
234	IL11024767	1/28/05	Midwest REM	18.17	Onyx Zion Landfill Zion, IL	
235	IL11024766	1/28/05	Midwest REM	18.10	Onyx Zion Landfill Zion, IL	
236	IL11024765	1/28/05	Midwest REM	18.31	Onyx Zion Landfill Zion, IL	
237	IL11024764	1/28/05	Midwest REM	24.07	Onyx Zion Landfill Zion, IL	
238	IL11024763	1/28/05	Midwest REM	18.61	Onyx Zion Landfill Zion, IL	
239	IL11024762	1/28/05	Midwest REM	18.18	Onyx Zion Landfill Zion, IL	
240	IL11024761	1/28/05	Midwest REM	18.73	Onyx Zion Landfill Zion, IL	
241	IL11024760	1/28/05	Midwest REM	23.73	Onyx Zion Landfill Zion, IL	
242	IL11024759	1/28/05	Midwest REM	21.12	Onyx Zion Landfill Zion, IL	
243	IL11024758	1/28/05	Midwest REM	22.78	Onyx Zion Landfill Zion, IL	
244	IL11024757	1/28/05	Midwest REM	20.54	Onyx Zion Landfill Zion, IL	
245	IL11024756	1/28/05	Midwest REM	23.35	Onyx Zion Landfill Zion, IL	
246	IL11024755	1/28/05	Midwest REM	16.10	Onyx Zion Landfill Zion, IL	
247	IL11024754	1/28/05	Midwest REM	18.86	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
248	IL11024753	1/28/05	Midwest REM	20.75	Onyx Zion Landfill Zion, IL	
249	IL11024752	1/28/05	Midwest REM	19.41	Onyx Zion Landfill Zion, IL	
250	IL11024751	1/28/05	Midwest REM	15.73	Onyx Zion Landfill Zion, IL	
251	IL11024750	1/28/05	Midwest REM	15.19	Onyx Zion Landfill Zion, IL	
252	IL11024749	1/28/05	Midwest REM	18.54	Onyx Zion Landfill Zion, IL	
253	IL11024748	1/28/05	Midwest REM	18.32	Onyx Zion Landfill Zion, IL	
254	IL11024747	1/28/05	Midwest REM	19.93	Onyx Zion Landfill Zion, IL	
255	IL11024746	1/28/05	Midwest REM	16.38	Onyx Zion Landfill Zion, IL	
256	IL11024745	1/28/05	Midwest REM	19.40	Onyx Zion Landfill Zion, IL	
257	IL11024744	1/28/05	Midwest REM	18.87	Onyx Zion Landfill Zion, IL	
258	IL11024743	1/28/05	Midwest REM	18.49	Onyx Zion Landfill Zion, IL	
259	IL11024742	1/28/05	Midwest REM	15.03	Onyx Zion Landfill Zion, IL	
260	IL11024741	1/28/05	Midwest REM	20.83	Onyx Zion Landfill Zion, IL	
261	IL11024740	1/28/05	Midwest REM	17.40	Onyx Zion Landfill Zion, IL	
262	IL11024739	1/28/05	Midwest REM	17.59	Onyx Zion Landfill Zion, IL	
263	IL11024738	1/28/05	Midwest REM	18.88	Onyx Zion Landfill Zion, IL	
264	IL11024737	1/28/05	Midwest REM	17.97	Onyx Zion Landfill Zion, IL	
265	IL11024736	1/28/05	Midwest REM	16.72	Onyx Zion Landfill Zion, IL	
266	IL11024735	1/28/05	Midwest REM	17.98	Onyx Zion Landfill Zion, IL	
267	IL11024734	1/28/05	Midwest REM	19.67	Onyx Zion Landfill Zion, IL	
268	IL11024733	1/28/05	Midwest REM	20.56	Onyx Zion Landfill Zion, IL	
269	IL11024732	1/28/05	Midwest REM	19.11	Onyx Zion Landfill Zion, IL	
270	IL11024731	1/28/05	Midwest REM	21.39	Onyx Zion Landfill Zion, IL	
271	IL11024730	1/28/05	Midwest REM	18.71	Onyx Zion Landfill Zion, IL	
272	IL11024729	1/28/05	Midwest REM	17.67	Onyx Zion Landfill Zion, IL	

TABLE 7.2
 TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
273	IL11024728	1/28/05	Midwest REM	20.72	Onyx Zion Landfill Zion, IL	
274	IL11024727	1/28/05	Midwest REM	21.88	Onyx Zion Landfill Zion, IL	
275	IL11024726	1/28/05	Midwest REM	17.46	Onyx Zion Landfill Zion, IL	
276	IL11024725	1/28/05	Midwest REM	18.85	Onyx Zion Landfill Zion, IL	
277	IL11024724	1/28/05	Midwest REM	22.11	Onyx Zion Landfill Zion, IL	
278	IL11024723	1/28/05	Midwest REM	19.88	Onyx Zion Landfill Zion, IL	
279	IL11024722	1/28/05	Midwest REM	18.35	Onyx Zion Landfill Zion, IL	
280	IL11024721	1/28/05	Midwest REM	20.20	Onyx Zion Landfill Zion, IL	
281	IL11024720	1/28/05	Midwest REM	21.57	Onyx Zion Landfill Zion, IL	
282	IL11024719	1/28/05	Midwest REM	18.80	Onyx Zion Landfill Zion, IL	
283	IL11024718	1/28/05	Midwest REM	19.54	Onyx Zion Landfill Zion, IL	
284	IL11024717	1/28/05	Midwest REM	20.61	Onyx Zion Landfill Zion, IL	
285	IL11024716	1/28/05	Midwest REM	21.47	Onyx Zion Landfill Zion, IL	
286	IL11024715	1/28/05	Midwest REM	20.43	Onyx Zion Landfill Zion, IL	
287	IL11024714	1/28/05	Midwest REM	23.47	Onyx Zion Landfill Zion, IL	
288	IL11024713	1/28/05	Midwest REM	20.36	Onyx Zion Landfill Zion, IL	
289	IL11024712	1/28/05	Midwest REM	22.49	Onyx Zion Landfill Zion, IL	
290	IL11024711	1/28/05	Midwest REM	17.44	Onyx Zion Landfill Zion, IL	
291	IL11024710	1/28/05	Midwest REM	20.84	Onyx Zion Landfill Zion, IL	
292	IL11024709	1/28/05	Midwest REM	23.49	Onyx Zion Landfill Zion, IL	
293	IL11024708	1/28/05	Midwest REM	18.77	Onyx Zion Landfill Zion, IL	
294	IL11024707	1/28/05	Midwest REM	18.91	Onyx Zion Landfill Zion, IL	
295	IL11024706	1/28/05	Midwest REM	20.23	Onyx Zion Landfill Zion, IL	
296	IL11024705	1/28/05	Midwest REM	20.97	Onyx Zion Landfill Zion, IL	
297	IL11024704	1/28/05	Midwest REM	19.91	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
298	IL11024703	1/28/05	Midwest REM	19.04	Onyx Zion Landfill Zion, IL	
299	IL11024702	1/28/05	Midwest REM	20.53	Onyx Zion Landfill Zion, IL	
300	IL11024701	1/28/05	Midwest REM	19.42	Onyx Zion Landfill Zion, IL	
301	IL11024700	1/28/05	Midwest REM	20.22	Onyx Zion Landfill Zion, IL	
302	IL11024699	1/28/05	Midwest REM	20.56	Onyx Zion Landfill Zion, IL	
303	IL11024698	1/28/05	Midwest REM	17.94	Onyx Zion Landfill Zion, IL	
304	IL11024697	1/28/05	Midwest REM	18.75	Onyx Zion Landfill Zion, IL	
305	IL11024696	1/28/05	Midwest REM	20.07	Onyx Zion Landfill Zion, IL	
306	IL11024695	1/28/05	Midwest REM	18.42	Onyx Zion Landfill Zion, IL	
307	IL11024694	1/28/05	Midwest REM	18.89	Onyx Zion Landfill Zion, IL	
308	IL11024693	1/28/05	Midwest REM	19.69	Onyx Zion Landfill Zion, IL	
309	IL11024692	1/28/05	Midwest REM	22.19	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 1/28/05				1,485.64		
310	IL11024691	1/31/2005	Midwest REM	17.75	Onyx Zion Landfill Zion, IL	
311	IL11024690	1/31/2005	Midwest REM	15.76	Onyx Zion Landfill Zion, IL	
312	IL11024689	1/31/2005	Midwest REM	16.57	Onyx Zion Landfill Zion, IL	
313	IL11024688	1/31/2005	Midwest REM	22.74	Onyx Zion Landfill Zion, IL	
314	IL11024687	1/31/2005	Midwest REM	17.47	Onyx Zion Landfill Zion, IL	
315	IL11024686	1/31/2005	Midwest REM	14.19	Onyx Zion Landfill Zion, IL	
316	IL11024685	1/31/2005	Midwest REM	20.11	Onyx Zion Landfill Zion, IL	
317	IL11024684	1/31/2005	Midwest REM	18.53	Onyx Zion Landfill Zion, IL	
318	IL11024683	1/31/2005	Midwest REM	17.71	Onyx Zion Landfill Zion, IL	
319	IL11024682	1/31/2005	Midwest REM	21.76	Onyx Zion Landfill Zion, IL	
320	IL11024681	1/31/2005	Midwest REM	17.93	Onyx Zion Landfill Zion, IL	
321	IL11024680	1/31/2005	Midwest REM	17.89	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
322	IL11024679	1/31/2005	Midwest REM	19.45	Onyx Zion Landfill Zion, IL	
323	IL11024678	1/31/2005	Midwest REM	19.44	Onyx Zion Landfill Zion, IL	
324	IL11024677	1/31/2005	Midwest REM	17.04	Onyx Zion Landfill Zion, IL	
325	IL11024676	1/31/2005	Midwest REM	14.93	Onyx Zion Landfill Zion, IL	
326	IL11024675	1/31/2005	Midwest REM	15.53	Onyx Zion Landfill Zion, IL	
327	IL11024674	1/31/2005	Midwest REM	17.65	Onyx Zion Landfill Zion, IL	
328	IL11024673	1/31/2005	Midwest REM	16.03	Onyx Zion Landfill Zion, IL	
329	IL11024672	1/31/2005	Midwest REM	18.93	Onyx Zion Landfill Zion, IL	
330	IL11024671	1/31/2005	Midwest REM	19.75	Onyx Zion Landfill Zion, IL	
331	IL11024670	1/31/2005	Midwest REM	16.45	Onyx Zion Landfill Zion, IL	
332	IL11024669	1/31/2005	Midwest REM	18.98	Onyx Zion Landfill Zion, IL	
333	IL11024668	1/31/2005	Midwest REM	18.36	Onyx Zion Landfill Zion, IL	
334	IL11024667	1/31/2005	Midwest REM	17.88	Onyx Zion Landfill Zion, IL	
335	IL11024666	1/31/2005	Midwest REM	18.56	Onyx Zion Landfill Zion, IL	
336	IL11024665	1/31/2005	Midwest REM	18.22	Onyx Zion Landfill Zion, IL	
337	IL11024664	1/31/2005	Midwest REM	18.32	Onyx Zion Landfill Zion, IL	
338	IL11024663	1/31/2005	Midwest REM	18.16	Onyx Zion Landfill Zion, IL	
339	IL11024662	1/31/2005	Midwest REM	16.21	Onyx Zion Landfill Zion, IL	
340	IL11024661	1/31/2005	Midwest REM	21.15	Onyx Zion Landfill Zion, IL	
341	IL11024660	1/31/2005	Midwest REM	18.42	Onyx Zion Landfill Zion, IL	
342	IL11024659	1/31/2005	Midwest REM	20.20	Onyx Zion Landfill Zion, IL	
343	IL11024658	1/31/2005	Midwest REM	19.45	Onyx Zion Landfill Zion, IL	
344	IL11024657	1/31/2005	Midwest REM	20.33	Onyx Zion Landfill Zion, IL	
345	IL11024656	1/31/2005	Midwest REM	19.13	Onyx Zion Landfill Zion, IL	
346	IL11024655	1/31/2005	Midwest REM	20.40	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
347	IL11024654	1/31/2005	Midwest REM	20.57	Onyx Zion Landfill Zion, IL	
348	IL11024653	1/31/2005	Midwest REM	20.27	Onyx Zion Landfill Zion, IL	
349	IL11024652	1/31/2005	Midwest REM	20.59	Onyx Zion Landfill Zion, IL	
350	IL11024651	1/31/2005	Midwest REM	19.62	Onyx Zion Landfill Zion, IL	
351	IL11024650	1/31/2005	Midwest REM	19.26	Onyx Zion Landfill Zion, IL	
352	IL11024649	1/31/2005	Midwest REM	19.52	Onyx Zion Landfill Zion, IL	
353	IL11024648	1/31/2005	Midwest REM	19.82	Onyx Zion Landfill Zion, IL	
354	IL11024647	1/31/2005	Midwest REM	18.85	Onyx Zion Landfill Zion, IL	
355	IL11024646	1/31/2005	Midwest REM	20.33	Onyx Zion Landfill Zion, IL	
356	IL11024645	1/31/2005	Midwest REM	18.59	Onyx Zion Landfill Zion, IL	
357	IL11024644	1/31/2005	Midwest REM	20.48	Onyx Zion Landfill Zion, IL	
358	IL11024643	1/31/2005	Midwest REM	19.74	Onyx Zion Landfill Zion, IL	
359	IL11024642	1/31/2005	Midwest REM	20.43	Onyx Zion Landfill Zion, IL	
360	IL11024641	1/31/2005	Midwest REM	20.81	Onyx Zion Landfill Zion, IL	
361	IL11024640	1/31/2005	Midwest REM	18.48	Onyx Zion Landfill Zion, IL	
362	IL11024639	1/31/2005	Midwest REM	21.27	Onyx Zion Landfill Zion, IL	
363	IL11024638	1/31/2005	Midwest REM	19.00	Onyx Zion Landfill Zion, IL	
364	IL11024637	1/31/2005	Midwest REM	18.57	Onyx Zion Landfill Zion, IL	
365	IL11024636	1/31/2005	Midwest REM	19.10	Onyx Zion Landfill Zion, IL	
366	IL11024635	1/31/2005	Midwest REM	21.82	Onyx Zion Landfill Zion, IL	
367	IL11024634	1/31/2005	Midwest REM	20.68	Onyx Zion Landfill Zion, IL	
368	IL11024633	1/31/2005	Midwest REM	22.41	Onyx Zion Landfill Zion, IL	
369	IL11024632	1/31/2005	Midwest REM	18.23	Onyx Zion Landfill Zion, IL	
370	IL11024631	1/31/2005	Midwest REM	21.44	Onyx Zion Landfill Zion, IL	
371	IL11024630	1/31/2005	Midwest REM	21.72	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
372	IL11024629	1/31/2005	Midwest REM	21.03	Onyx Zion Landfill Zion, IL	
373	IL11024628	1/31/2005	Midwest REM	18.40	Onyx Zion Landfill Zion, IL	
374	IL11024627	1/31/2005	Midwest REM	19.27	Onyx Zion Landfill Zion, IL	
375	IL11024626	1/31/2005	Midwest REM	20.50	Onyx Zion Landfill Zion, IL	
376	IL11024625	1/31/2005	Midwest REM	17.38	Onyx Zion Landfill Zion, IL	
377	IL11024624	1/31/2005	Midwest REM	20.28	Onyx Zion Landfill Zion, IL	
378	IL11024623	1/31/2005	Midwest REM	19.65	Onyx Zion Landfill Zion, IL	
379	IL11024622	1/31/2005	Midwest REM	20.65	Onyx Zion Landfill Zion, IL	
380	IL11024621	1/31/2005	Midwest REM	20.54	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 1/31/05	1,356.68	
				SUBTOTAL WEIGHT- JANUARY 2005	7,147.22	
381	IL11024620	2/1/05	Midwest REM	18.38	Onyx Zion Landfill Zion, IL	
382	IL11024619	2/1/05	Midwest REM	17.64	Onyx Zion Landfill Zion, IL	
383	IL11024618	2/1/05	Midwest REM	17.99	Onyx Zion Landfill Zion, IL	
384	IL11024617	2/1/05	Midwest REM	18.99	Onyx Zion Landfill Zion, IL	
385	IL11024616	2/1/05	Midwest REM	19.65	Onyx Zion Landfill Zion, IL	
386	IL11024615	2/1/05	Midwest REM	18.39	Onyx Zion Landfill Zion, IL	
387	IL11024614	2/1/05	Midwest REM	19.76	Onyx Zion Landfill Zion, IL	
388	IL11024613	2/1/05	Midwest REM	20.37	Onyx Zion Landfill Zion, IL	
389	IL11024612	2/1/05	Midwest REM	18.17	Onyx Zion Landfill Zion, IL	
390	IL11024611	2/1/05	Midwest REM	19.43	Onyx Zion Landfill Zion, IL	
391	IL11024610	2/1/05	Midwest REM	18.84	Onyx Zion Landfill Zion, IL	
392	IL11024609	2/1/05	Midwest REM	19.37	Onyx Zion Landfill Zion, IL	
393	IL11024608	2/1/05	Midwest REM	16.82	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
394	IL11024607	2/1/05	Midwest REM	17.88	Onyx Zion Landfill Zion, IL	
395	IL11024606	2/1/05	Midwest REM	20.34	Onyx Zion Landfill Zion, IL	
396	IL11024605	2/1/05	Midwest REM	21.49	Onyx Zion Landfill Zion, IL	
397	IL11024604	2/1/05	Midwest REM	23.36	Onyx Zion Landfill Zion, IL	
398	IL11024603	2/1/05	Midwest REM	20.59	Onyx Zion Landfill Zion, IL	
399	IL11024602	2/1/05	Midwest REM	19.44	Onyx Zion Landfill Zion, IL	
400	IL11024601	2/1/05	Midwest REM	20.59	Onyx Zion Landfill Zion, IL	
401	IL11024600	2/1/05	Midwest REM	17.61	Onyx Zion Landfill Zion, IL	
402	IL11024599	2/1/05	Midwest REM	23.38	Onyx Zion Landfill Zion, IL	
403	IL11024598	2/1/05	Midwest REM	19.28	Onyx Zion Landfill Zion, IL	
404	IL11024597	2/1/05	Midwest REM	18.75	Onyx Zion Landfill Zion, IL	
405	IL11024596	2/1/05	Midwest REM	20.87	Onyx Zion Landfill Zion, IL	
406	IL11024595	2/1/05	Midwest REM	21.52	Onyx Zion Landfill Zion, IL	
407	IL11024594	2/1/05	Midwest REM	20.29	Onyx Zion Landfill Zion, IL	
408	IL11024593	2/1/05	Midwest REM	20.48	Onyx Zion Landfill Zion, IL	
409	IL11024592	2/1/05	Midwest REM	19.41	Onyx Zion Landfill Zion, IL	
410	IL11024591	2/1/05	Midwest REM	16.89	Onyx Zion Landfill Zion, IL	
411	IL11024590	2/1/05	Midwest REM	21.95	Onyx Zion Landfill Zion, IL	
412	IL11024589	2/1/05	Midwest REM	22.34	Onyx Zion Landfill Zion, IL	
413	IL11024588	2/1/05	Midwest REM	20.42	Onyx Zion Landfill Zion, IL	
414	IL11024587	2/1/05	Midwest REM	18.73	Onyx Zion Landfill Zion, IL	
415	IL11024586	2/1/05	Midwest REM	21.09	Onyx Zion Landfill Zion, IL	
416	IL11024585	2/1/05	Midwest REM	19.06	Onyx Zion Landfill Zion, IL	
417	IL11024584	2/1/05	Midwest REM	20.20	Onyx Zion Landfill Zion, IL	
418	IL11024583	2/1/05	Midwest REM	19.20	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
419	IL11024582	2/1/05	Midwest REM	17.51	Onyx Zion Landfill Zion, IL	
420	IL11024581	2/1/05	Midwest REM	19.56	Onyx Zion Landfill Zion, IL	
421	IL11024580	2/1/05	Midwest REM	21.42	Onyx Zion Landfill Zion, IL	
422	IL11024579	2/1/05	Midwest REM	21.81	Onyx Zion Landfill Zion, IL	
423	IL11024578	2/1/05	Midwest REM	20.57	Onyx Zion Landfill Zion, IL	
424	IL11024577	2/1/05	Midwest REM	19.75	Onyx Zion Landfill Zion, IL	
425	IL11024576	2/1/05	Midwest REM	19.05	Onyx Zion Landfill Zion, IL	
426	IL11024575	2/1/05	Midwest REM	18.47	Onyx Zion Landfill Zion, IL	
427	IL11024574	2/1/05	Midwest REM	20.86	Onyx Zion Landfill Zion, IL	
428	IL11024573	2/1/05	Midwest REM	20.30	Onyx Zion Landfill Zion, IL	
429	IL11024572	2/1/05	Midwest REM	19.75	Onyx Zion Landfill Zion, IL	
430	IL11024571	2/1/05	Midwest REM	19.97	Onyx Zion Landfill Zion, IL	
431	IL11024570	2/1/05	Midwest REM	21.50	Onyx Zion Landfill Zion, IL	
432	IL11024569	2/1/05	Midwest REM	20.40	Onyx Zion Landfill Zion, IL	
433	IL11024568	2/1/05	Midwest REM	20.02	Onyx Zion Landfill Zion, IL	
434	IL11024567	2/1/05	Midwest REM	22.09	Onyx Zion Landfill Zion, IL	
435	IL11024566	2/1/05	Midwest REM	18.64	Onyx Zion Landfill Zion, IL	
436	IL11024565	2/1/05	Midwest REM	19.18	Onyx Zion Landfill Zion, IL	
437	IL11024564	2/1/05	Midwest REM	20.82	Onyx Zion Landfill Zion, IL	
438	IL11024563	2/1/05	Midwest REM	21.03	Onyx Zion Landfill Zion, IL	
439	IL11024562	2/1/05	Midwest REM	21.32	Onyx Zion Landfill Zion, IL	
440	IL11024561	2/1/05	Midwest REM	21.48	Onyx Zion Landfill Zion, IL	
441	IL11024560	2/1/05	Midwest REM	18.79	Onyx Zion Landfill Zion, IL	
442	IL11024559	2/1/05	Midwest REM	20.21	Onyx Zion Landfill Zion, IL	
443	IL11024558	2/1/05	Midwest REM	21.05	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
444	IL11024557	2/1/05	Midwest REM	20.71	Onyx Zion Landfill Zion, IL	
445	IL11024556	2/1/05	Midwest REM	19.78	Onyx Zion Landfill Zion, IL	
446	IL11024555	2/1/05	Midwest REM	19.68	Onyx Zion Landfill Zion, IL	
447	IL11024554	2/1/05	Midwest REM	21.74	Onyx Zion Landfill Zion, IL	
448	IL11024553	2/1/05	Midwest REM	20.07	Onyx Zion Landfill Zion, IL	
449	IL11024552	2/1/05	Midwest REM	17.38	Onyx Zion Landfill Zion, IL	
450	IL11024551	2/1/05	Midwest REM	19.05	Onyx Zion Landfill Zion, IL	
451	IL11024550	2/1/05	Midwest REM	19.87	Onyx Zion Landfill Zion, IL	
452	IL11024549	2/1/05	Midwest REM	19.18	Onyx Zion Landfill Zion, IL	
453	IL11024548	2/1/05	Midwest REM	20.76	Onyx Zion Landfill Zion, IL	
454	IL11024547	2/1/05	Midwest REM	21.37	Onyx Zion Landfill Zion, IL	
455	IL11024546	2/1/05	Midwest REM	20.08	Onyx Zion Landfill Zion, IL	
456	IL11024545	2/1/05	Midwest REM	19.56	Onyx Zion Landfill Zion, IL	
457	IL11024544	2/1/05	Midwest REM	18.17	Onyx Zion Landfill Zion, IL	
458	IL11024543	2/1/05	Midwest REM	20.37	Onyx Zion Landfill Zion, IL	
459	IL11024542	2/1/05	Midwest REM	20.28	Onyx Zion Landfill Zion, IL	
460	IL11024541	2/1/05	Midwest REM	20.11	Onyx Zion Landfill Zion, IL	
461	IL11024540	2/1/05	Midwest REM	19.07	Onyx Zion Landfill Zion, IL	
462	IL11024539	2/1/05	Midwest REM	20.38	Onyx Zion Landfill Zion, IL	
463	IL11024538	2/1/05	Midwest REM	19.96	Onyx Zion Landfill Zion, IL	
464	IL11024537	2/1/05	Midwest REM	17.99	Onyx Zion Landfill Zion, IL	
465	IL11024536	2/1/05	Midwest REM	18.93	Onyx Zion Landfill Zion, IL	
466	IL11024535	2/1/05	Midwest REM	20.09	Onyx Zion Landfill Zion, IL	
467	IL11024534	2/1/05	Midwest REM	18.34	Onyx Zion Landfill Zion, IL	
468	IL11024533	2/1/05	Midwest REM	20.52	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
469	IL11024532	2/1/05	Midwest REM	17.58	Onyx Zion Landfill Zion, IL	
470	IL11024531	2/1/05	Midwest REM	19.19	Onyx Zion Landfill Zion, IL	
471	IL11024530	2/1/05	Midwest REM	15.77	Onyx Zion Landfill Zion, IL	
472	IL11024529	2/1/05	Midwest REM	15.45	Onyx Zion Landfill Zion, IL	
473	IL11024528	2/1/05	Midwest REM	20.71	Onyx Zion Landfill Zion, IL	
474	IL11024527	2/1/05	Midwest REM	18.03	Onyx Zion Landfill Zion, IL	
475	IL11024526	2/1/05	Midwest REM	19.64	Onyx Zion Landfill Zion, IL	
476	IL11024525	2/1/05	Midwest REM	20.92	Onyx Zion Landfill Zion, IL	
477	IL11024524	2/1/05	Midwest REM	18.68	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 2/1/05				1,913.92		
478	IL11024523	2/2/05	Midwest REM	17.29	Onyx Zion Landfill Zion, IL	
479	IL11024522	2/2/05	Midwest REM	17.21	Onyx Zion Landfill Zion, IL	
480	IL11024521	2/2/05	Midwest REM	17.13	Onyx Zion Landfill Zion, IL	
481	IL11024520	2/2/05	Midwest REM	17.93	Onyx Zion Landfill Zion, IL	
482	IL11024519	2/2/05	Midwest REM	17.07	Onyx Zion Landfill Zion, IL	
483	IL11024518	2/2/05	Midwest REM	17.54	Onyx Zion Landfill Zion, IL	
484	IL11024517	2/2/05	Midwest REM	18.54	Onyx Zion Landfill Zion, IL	
485	IL11024516	2/2/05	Midwest REM	20.15	Onyx Zion Landfill Zion, IL	
486	IL11024515	2/2/05	Midwest REM	19.67	Onyx Zion Landfill Zion, IL	
487	IL11024514	2/2/05	Midwest REM	19.17	Onyx Zion Landfill Zion, IL	
488	IL11024513	2/2/05	Midwest REM	18.59	Onyx Zion Landfill Zion, IL	
489	IL11024512	2/2/05	Midwest REM	18.17	Onyx Zion Landfill Zion, IL	
490	IL11024511	2/2/05	Midwest REM	19.01	Onyx Zion Landfill Zion, IL	
491	IL11024510	2/2/05	Midwest REM	19.98	Onyx Zion Landfill Zion, IL	
492	IL11024509	2/2/05	Midwest REM	20.32	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
493	IL11024508	2/2/05	Midwest REM	20.70	Onyx Zion Landfill Zion, IL	
494	IL11024507	2/2/05	Midwest REM	17.69	Onyx Zion Landfill Zion, IL	
495	IL11024506	2/2/05	Midwest REM	21.46	Onyx Zion Landfill Zion, IL	
496	IL11024505	2/2/05	Midwest REM	19.96	Onyx Zion Landfill Zion, IL	
497	IL11024504	2/2/05	Midwest REM	18.90	Onyx Zion Landfill Zion, IL	
498	IL11024503	2/2/05	Midwest REM	20.98	Onyx Zion Landfill Zion, IL	
499	IL11024502	2/2/05	Midwest REM	20.88	Onyx Zion Landfill Zion, IL	
500	IL11024501	2/2/05	Midwest REM	19.91	Onyx Zion Landfill Zion, IL	
501	IL11024500	2/2/05	Midwest REM	20.86	Onyx Zion Landfill Zion, IL	
502	IL11024499	2/2/05	Midwest REM	20.39	Onyx Zion Landfill Zion, IL	
503	IL11024498	2/2/05	Midwest REM	19.39	Onyx Zion Landfill Zion, IL	
504	IL11024497	2/2/05	Midwest REM	20.51	Onyx Zion Landfill Zion, IL	
505	IL11024496	2/2/05	Midwest REM	20.32	Onyx Zion Landfill Zion, IL	
506	IL11024495	2/2/05	Midwest REM	21.43	Onyx Zion Landfill Zion, IL	
507	IL11024494	2/2/05	Midwest REM	20.00	Onyx Zion Landfill Zion, IL	
508	IL11024493	2/2/05	Midwest REM	19.26	Onyx Zion Landfill Zion, IL	
509	IL11024492	2/2/05	Midwest REM	19.92	Onyx Zion Landfill Zion, IL	
510	IL11024491	2/2/05	Midwest REM	20.73	Onyx Zion Landfill Zion, IL	
511	IL11024490	2/2/05	Midwest REM	17.32	Onyx Zion Landfill Zion, IL	
512	IL11024489	2/2/05	Midwest REM	21.74	Onyx Zion Landfill Zion, IL	
513	IL11024488	2/2/05	Midwest REM	21.20	Onyx Zion Landfill Zion, IL	
514	IL11024487	2/2/05	Midwest REM	19.34	Onyx Zion Landfill Zion, IL	
515	IL11024486	2/2/05	Midwest REM	21.59	Onyx Zion Landfill Zion, IL	
516	IL11024485	2/2/05	Midwest REM	20.37	Onyx Zion Landfill Zion, IL	
517	IL11024484	2/2/05	Midwest REM	21.53	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
518	IL11024483	2/2/05	Midwest REM	22.30	Onyx Zion Landfill Zion, IL	
519	IL11024482	2/2/05	Midwest REM	20.11	Onyx Zion Landfill Zion, IL	
520	IL11024481	2/2/05	Midwest REM	20.26	Onyx Zion Landfill Zion, IL	
521	IL11024480	2/2/05	Midwest REM	21.06	Onyx Zion Landfill Zion, IL	
522	IL11024479	2/2/05	Midwest REM	21.13	Onyx Zion Landfill Zion, IL	
523	IL11024478	2/2/05	Midwest REM	19.12	Onyx Zion Landfill Zion, IL	
524	IL11024477	2/2/05	Midwest REM	17.42	Onyx Zion Landfill Zion, IL	
525	IL11024476	2/2/05	Midwest REM	20.04	Onyx Zion Landfill Zion, IL	
526	IL11024475	2/2/05	Midwest REM	17.33	Onyx Zion Landfill Zion, IL	
527	IL11024474	2/2/05	Midwest REM	19.19	Onyx Zion Landfill Zion, IL	
528	IL11024473	2/2/05	Midwest REM	18.80	Onyx Zion Landfill Zion, IL	
529	IL11024472	2/2/05	Midwest REM	19.40	Onyx Zion Landfill Zion, IL	
530	IL11024471	2/2/05	Midwest REM	20.39	Onyx Zion Landfill Zion, IL	
531	IL11024470	2/2/05	Midwest REM	20.11	Onyx Zion Landfill Zion, IL	
532	IL11024469	2/2/05	Midwest REM	20.05	Onyx Zion Landfill Zion, IL	
533	IL11024468	2/2/05	Midwest REM	20.61	Onyx Zion Landfill Zion, IL	
534	IL11024467	2/2/05	Midwest REM	19.22	Onyx Zion Landfill Zion, IL	
535	IL11024466	2/2/05	Midwest REM	19.82	Onyx Zion Landfill Zion, IL	
536	IL11024465	2/2/05	Midwest REM	20.15	Onyx Zion Landfill Zion, IL	
537	IL11024464	2/2/05	Midwest REM	17.36	Onyx Zion Landfill Zion, IL	
538	IL11024463	2/2/05	Midwest REM	20.25	Onyx Zion Landfill Zion, IL	
539	IL11024462	2/2/05	Midwest REM	17.85	Onyx Zion Landfill Zion, IL	
540	IL11024461	2/2/05	Midwest REM	20.46	Onyx Zion Landfill Zion, IL	
541	IL11024460	2/2/05	Midwest REM	20.11	Onyx Zion Landfill Zion, IL	
542	IL11024459	2/2/05	Midwest REM	20.81	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
543	IL11024458	2/2/05	Midwest REM	21.38	Onyx Zion Landfill Zion, IL	
544	IL11024457	2/2/05	Midwest REM	20.25	Onyx Zion Landfill Zion, IL	
545	IL11024456	2/2/05	Midwest REM	19.40	Onyx Zion Landfill Zion, IL	
546	IL11024455	2/2/05	Midwest REM	17.45	Onyx Zion Landfill Zion, IL	
547	IL11024454	2/2/05	Midwest REM	18.23	Onyx Zion Landfill Zion, IL	
548	IL11024453	2/2/05	Midwest REM	20.95	Onyx Zion Landfill Zion, IL	
549	IL11024452	2/2/05	Midwest REM	19.82	Onyx Zion Landfill Zion, IL	
550	IL11024451	2/2/05	Midwest REM	23.43	Onyx Zion Landfill Zion, IL	
551	IL11024450	2/2/05	Midwest REM	19.76	Onyx Zion Landfill Zion, IL	
552	IL11024449	2/2/05	Midwest REM	21.89	Onyx Zion Landfill Zion, IL	
553	IL11024448	2/2/05	Midwest REM	21.25	Onyx Zion Landfill Zion, IL	
554	IL11024447	2/2/05	Midwest REM	20.23	Onyx Zion Landfill Zion, IL	
555	IL11024446	2/2/05	Midwest REM	20.28	Onyx Zion Landfill Zion, IL	
556	IL11024445	2/2/05	Midwest REM	20.70	Onyx Zion Landfill Zion, IL	
557	IL11024444	2/2/05	Midwest REM	18.36	Onyx Zion Landfill Zion, IL	
558	IL11024443	2/2/05	Midwest REM	20.20	Onyx Zion Landfill Zion, IL	
559	IL11024442	2/2/05	Midwest REM	20.13	Onyx Zion Landfill Zion, IL	
560	IL11024441	2/2/05	Midwest REM	18.40	Onyx Zion Landfill Zion, IL	
561	IL11024440	2/2/05	Midwest REM	21.08	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 2/2/05				1,660.69		
562	IL11024439	2/3/2005	Midwest REM	17.19	Onyx Zion Landfill Zion, IL	
563	IL11024438	2/3/2005	Midwest REM	18.64	Onyx Zion Landfill Zion, IL	
564	IL11024437	2/3/2005	Midwest REM	19.49	Onyx Zion Landfill Zion, IL	
565	IL11024436	2/3/2005	Midwest REM	22.96	Onyx Zion Landfill Zion, IL	
566	IL11024435	2/3/2005	Midwest REM	21.44	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
567	IL11024434	2/3/2005	Midwest REM	19.34	Onyx Zion Landfill Zion, IL	
568	IL11024433	2/3/2005	Midwest REM	17.05	Onyx Zion Landfill Zion, IL	
569	IL11024432	2/3/2005	Midwest REM	18.85	Onyx Zion Landfill Zion, IL	
570	IL11024431	2/3/2005	Midwest REM	18.87	Onyx Zion Landfill Zion, IL	
571	IL11024430	2/3/2005	Midwest REM	19.13	Onyx Zion Landfill Zion, IL	
572	IL11024429	2/3/2005	Midwest REM	23.09	Onyx Zion Landfill Zion, IL	
573	IL11024428	2/3/2005	Midwest REM	20.91	Onyx Zion Landfill Zion, IL	
574	IL11024427	2/3/2005	Midwest REM	22.15	Onyx Zion Landfill Zion, IL	
575	IL11024426	2/3/2005	Midwest REM	16.16	Onyx Zion Landfill Zion, IL	
576	IL11024425	2/3/2005	Midwest REM	17.54	Onyx Zion Landfill Zion, IL	
577	IL11024424	2/3/2005	Midwest REM	18.24	Onyx Zion Landfill Zion, IL	
578	IL11024423	2/3/2005	Midwest REM	18.19	Onyx Zion Landfill Zion, IL	
579	IL11024422	2/3/2005	Midwest REM	18.91	Onyx Zion Landfill Zion, IL	
580	IL11024421	2/3/2005	Midwest REM	19.78	Onyx Zion Landfill Zion, IL	
581	IL11024420	2/3/2005	Midwest REM	23.21	Onyx Zion Landfill Zion, IL	
582	IL11024419	2/3/2005	Midwest REM	19.97	Onyx Zion Landfill Zion, IL	
583	IL11024418	2/3/2005	Midwest REM	22.00	Onyx Zion Landfill Zion, IL	
584	IL11024417	2/3/2005	Midwest REM	18.97	Onyx Zion Landfill Zion, IL	
585	IL11024416	2/3/2005	Midwest REM	18.33	Onyx Zion Landfill Zion, IL	
586	IL11024415	2/3/2005	Midwest REM	18.81	Onyx Zion Landfill Zion, IL	
587	IL11024414	2/3/2005	Midwest REM	19.45	Onyx Zion Landfill Zion, IL	
588	IL11024413	2/3/2005	Midwest REM	19.62	Onyx Zion Landfill Zion, IL	
589	IL11024412	2/3/2005	Midwest REM	21.13	Onyx Zion Landfill Zion, IL	
590	IL11024411	2/3/2005	Midwest REM	22.56	Onyx Zion Landfill Zion, IL	
591	IL11024410	2/3/2005	Midwest REM	20.85	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
592	IL11024409	2/3/2005	Midwest REM	18.08	Onyx Zion Landfill Zion, IL	
593	IL11024408	2/3/2005	Midwest REM	19.01	Onyx Zion Landfill Zion, IL	
594	IL11024407	2/3/2005	Midwest REM	22.71	Onyx Zion Landfill Zion, IL	
595	IL11024406	2/3/2005	Midwest REM	18.92	Onyx Zion Landfill Zion, IL	
596	IL11024405	2/3/2005	Midwest REM	18.31	Onyx Zion Landfill Zion, IL	
597	IL11024404	2/3/2005	Midwest REM	21.49	Onyx Zion Landfill Zion, IL	
598	IL11024403	2/3/2005	Midwest REM	21.97	Onyx Zion Landfill Zion, IL	
599	IL11024402	2/3/2005	Midwest REM	20.90	Onyx Zion Landfill Zion, IL	
600	IL11024401	2/3/2005	Midwest REM	17.89	Onyx Zion Landfill Zion, IL	
601	IL11024400	2/3/2005	Midwest REM	17.65	Onyx Zion Landfill Zion, IL	
602	IL11024399	2/3/2005	Midwest REM	18.63	Onyx Zion Landfill Zion, IL	
603	IL11024398	2/3/2005	Midwest REM	19.60	Onyx Zion Landfill Zion, IL	
604	IL11024397	2/3/2005	Midwest REM	18.37	Onyx Zion Landfill Zion, IL	
605	IL11024396	2/3/2005	Midwest REM	17.11	Onyx Zion Landfill Zion, IL	
606	IL11024395	2/3/2005	Midwest REM	18.04	Onyx Zion Landfill Zion, IL	
607	IL11024394	2/3/2005	Midwest REM	19.92	Onyx Zion Landfill Zion, IL	
608	IL11024393	2/3/2005	Midwest REM	18.62	Onyx Zion Landfill Zion, IL	
609	IL11024392	2/3/2005	Midwest REM	19.53	Onyx Zion Landfill Zion, IL	
610	IL11024391	2/3/2005	Midwest REM	18.78	Onyx Zion Landfill Zion, IL	
611	IL11024390	2/3/2005	Midwest REM	18.65	Onyx Zion Landfill Zion, IL	
612	IL11024389	2/3/2005	Midwest REM	18.41	Onyx Zion Landfill Zion, IL	
			SUBTOTAL WEIGHT- 2/3/05	995.42		
613	IL11024388	2/4/05	Midwest REM	15.94	Onyx Zion Landfill Zion, IL	
614	IL11024387	2/4/05	Midwest REM	15.58	Onyx Zion Landfill Zion, IL	
615	IL11024386	2/4/05	Midwest REM	16.89	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
616	IL11024385	2/4/05	Midwest REM	20.01	Onyx Zion Landfill Zion, IL	
617	IL11024384	2/4/05	Midwest REM	19.51	Onyx Zion Landfill Zion, IL	
618	IL11024383	2/4/05	Midwest REM	17.61	Onyx Zion Landfill Zion, IL	
619	IL11024382	2/4/05	Midwest REM	19.84	Onyx Zion Landfill Zion, IL	
620	IL11024381	2/4/05	Midwest REM	17.23	Onyx Zion Landfill Zion, IL	
621	IL11024380	2/4/05	Midwest REM	15.82	Onyx Zion Landfill Zion, IL	
622	IL11024379	2/4/05	Midwest REM	15.21	Onyx Zion Landfill Zion, IL	
623	IL11024378	2/4/05	Midwest REM	15.44	Onyx Zion Landfill Zion, IL	
624	IL11024377	2/4/05	Midwest REM	20.57	Onyx Zion Landfill Zion, IL	
625	IL11024376	2/4/05	Midwest REM	15.41	Onyx Zion Landfill Zion, IL	
626	IL11024375	2/4/05	Midwest REM	17.89	Onyx Zion Landfill Zion, IL	
627	IL11024374	2/4/05	Midwest REM	18.49	Onyx Zion Landfill Zion, IL	
628	IL11024373	2/4/05	Midwest REM	17.19	Onyx Zion Landfill Zion, IL	
629	IL11024372	2/4/05	Midwest REM	23.01	Onyx Zion Landfill Zion, IL	
630	IL11024371	2/4/05	Midwest REM	18.74	Onyx Zion Landfill Zion, IL	
631	IL11024370	2/4/05	Midwest REM	18.58	Onyx Zion Landfill Zion, IL	
632	IL11024369	2/4/05	Midwest REM	18.76	Onyx Zion Landfill Zion, IL	
633	IL11024368	2/4/05	Midwest REM	18.39	Onyx Zion Landfill Zion, IL	
634	IL11024367	2/4/05	Midwest REM	18.51	Onyx Zion Landfill Zion, IL	
635	IL11024366	2/4/05	Midwest REM	17.66	Onyx Zion Landfill Zion, IL	
636	IL11024365	2/4/05	Midwest REM	25.11	Onyx Zion Landfill Zion, IL	
637	IL11024364	2/4/05	Midwest REM	21.72	Onyx Zion Landfill Zion, IL	
638	IL11024363	2/4/05	Midwest REM	23.86	Onyx Zion Landfill Zion, IL	
639	IL11024362	2/4/05	Midwest REM	21.65	Onyx Zion Landfill Zion, IL	
640	IL11024361	2/4/05	Midwest REM	21.43	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
641	IL11024360	2/4/05	Midwest REM	16.32	Onyx Zion Landfill Zion, IL	
642	IL11024359	2/4/05	Midwest REM	19.36	Onyx Zion Landfill Zion, IL	
643	IL11024358	2/4/05	Midwest REM	16.24	Onyx Zion Landfill Zion, IL	
644	IL11024357	2/4/05	Midwest REM	16.81	Onyx Zion Landfill Zion, IL	
645	IL11024356	2/4/05	Midwest REM	19.75	Onyx Zion Landfill Zion, IL	
646	IL11024355	2/4/05	Midwest REM	16.09	Onyx Zion Landfill Zion, IL	
647	IL11024354	2/4/05	Midwest REM	21.48	Onyx Zion Landfill Zion, IL	
648	IL11024353	2/4/05	Midwest REM	21.27	Onyx Zion Landfill Zion, IL	
649	IL11024352	2/4/05	Midwest REM	19.40	Onyx Zion Landfill Zion, IL	
650	IL11024351	2/4/05	Midwest REM	20.69	Onyx Zion Landfill Zion, IL	
651	IL11024350	2/4/05	Midwest REM	17.88	Onyx Zion Landfill Zion, IL	
652	IL11024349	2/4/05	Midwest REM	18.23	Onyx Zion Landfill Zion, IL	
653	IL11024348	2/4/05	Midwest REM	16.29	Onyx Zion Landfill Zion, IL	
654	IL11024347	2/4/05	Midwest REM	15.57	Onyx Zion Landfill Zion, IL	
655	IL11024346	2/4/05	Midwest REM	18.63	Onyx Zion Landfill Zion, IL	
656	IL11024345	2/4/05	Midwest REM	18.92	Onyx Zion Landfill Zion, IL	
657	IL11024344	2/4/05	Midwest REM	19.09	Onyx Zion Landfill Zion, IL	
658	IL11024343	2/4/05	Midwest REM	13.88	Onyx Zion Landfill Zion, IL	
659	IL11024342	2/4/05	Midwest REM	18.42	Onyx Zion Landfill Zion, IL	
660	IL11024341	2/4/05	Midwest REM	16.26	Onyx Zion Landfill Zion, IL	
661	IL11024340	2/4/05	Midwest REM	16.32	Onyx Zion Landfill Zion, IL	
662	IL11024339	2/4/05	Midwest REM	20.48	Onyx Zion Landfill Zion, IL	
663	IL11024338	2/4/05	Midwest REM	19.94	Onyx Zion Landfill Zion, IL	
664	IL11024337	2/4/05	Midwest REM	19.55	Onyx Zion Landfill Zion, IL	
665	IL11024336	2/4/05	Midwest REM	18.73	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
666	IL11024335	2/4/05	Midwest REM	21.89	Onyx Zion Landfill Zion, IL	
667	IL11024334	2/4/05	Midwest REM	19.31	Onyx Zion Landfill Zion, IL	
668	IL11024333	2/4/05	Midwest REM	16.33	Onyx Zion Landfill Zion, IL	
669	IL11024332	2/4/05	Midwest REM	19.84	Onyx Zion Landfill Zion, IL	
670	IL11024331	2/4/05	Midwest REM	18.22	Onyx Zion Landfill Zion, IL	
671	IL11024330	2/4/05	Midwest REM	15.65	Onyx Zion Landfill Zion, IL	
672	IL11024329	2/4/05	Midwest REM	16.81	Onyx Zion Landfill Zion, IL	
673	IL11024328	2/4/05	Midwest REM	15.72	Onyx Zion Landfill Zion, IL	
674	IL11024327	2/4/05	Midwest REM	18.84	Onyx Zion Landfill Zion, IL	
675	IL11024326	2/4/05	Midwest REM	18.27	Onyx Zion Landfill Zion, IL	
676	IL11024325	2/4/05	Midwest REM	19.96	Onyx Zion Landfill Zion, IL	
677	IL11024324	2/4/05	Midwest REM	16.66	Onyx Zion Landfill Zion, IL	
678	IL11024323	2/4/05	Midwest REM	18.22	Onyx Zion Landfill Zion, IL	
679	IL11024322	2/4/05	Midwest REM	18.90	Onyx Zion Landfill Zion, IL	
680	IL11024321	2/4/05	Midwest REM	19.53	Onyx Zion Landfill Zion, IL	
681	IL11024320	2/4/05	Midwest REM	21.16	Onyx Zion Landfill Zion, IL	
682	IL11024319	2/4/05	Midwest REM	18.17	Onyx Zion Landfill Zion, IL	
683	IL11024318	2/4/05	Midwest REM	18.37	Onyx Zion Landfill Zion, IL	
684	IL11024317	2/4/05	Midwest REM	23.09	Onyx Zion Landfill Zion, IL	
685	IL11024316	2/4/05	Midwest REM	18.78	Onyx Zion Landfill Zion, IL	
686	IL11024315	2/4/05	Midwest REM	17.41	Onyx Zion Landfill Zion, IL	
687	IL11024314	2/4/05	Midwest REM	17.80	Onyx Zion Landfill Zion, IL	
688	IL11024313	2/4/05	Midwest REM	19.74	Onyx Zion Landfill Zion, IL	
689	IL11024312	2/4/05	Midwest REM	18.51	Onyx Zion Landfill Zion, IL	
690	IL11024311	2/4/05	Midwest REM	19.44	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
691	IL11024310	2/4/05	Midwest REM	18.21	Onyx Zion Landfill Zion, IL	
692	IL11024309	2/4/05	Midwest REM	20.41	Onyx Zion Landfill Zion, IL	
693	IL11024308	2/4/05	Midwest REM	16.32	Onyx Zion Landfill Zion, IL	
694	IL11024307	2/4/05	Midwest REM	16.70	Onyx Zion Landfill Zion, IL	
695	IL11024306	2/4/05	Midwest REM	20.47	Onyx Zion Landfill Zion, IL	
696	IL11024305	2/4/05	Midwest REM	22.31	Onyx Zion Landfill Zion, IL	
697	IL11024304	2/4/05	Midwest REM	18.58	Onyx Zion Landfill Zion, IL	
698	IL11024303	2/4/05	Midwest REM	21.80	Onyx Zion Landfill Zion, IL	
699	IL11024302	2/4/05	Midwest REM	19.09	Onyx Zion Landfill Zion, IL	
700	IL11024301	2/4/05	Midwest REM	22.61	Onyx Zion Landfill Zion, IL	
701	IL11024300	2/4/05	Midwest REM	18.95	Onyx Zion Landfill Zion, IL	
702	IL11024299	2/4/05	Midwest REM	20.35	Onyx Zion Landfill Zion, IL	
703	IL11024298	2/4/05	Midwest REM	19.39	Onyx Zion Landfill Zion, IL	
704	IL11024297	2/4/05	Midwest REM	18.75	Onyx Zion Landfill Zion, IL	
705	IL11024296	2/4/05	Midwest REM	21.00	Onyx Zion Landfill Zion, IL	
706	IL11024295	2/4/05	Midwest REM	23.20	Onyx Zion Landfill Zion, IL	
707	IL11024294	2/4/05	Midwest REM	22.93	Onyx Zion Landfill Zion, IL	
708	IL11024293	2/4/05	Midwest REM	18.28	Onyx Zion Landfill Zion, IL	
709	IL11024292	2/4/05	Midwest REM	18.14	Onyx Zion Landfill Zion, IL	
710	IL11024291	2/4/05	Midwest REM	21.99	Onyx Zion Landfill Zion, IL	
711	IL11024290	2/4/05	Midwest REM	21.47	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 2/4/05				1,869.22		
712	IL11024289	2/7/05	Midwest REM	17.01	Onyx Zion Landfill Zion, IL	
713	IL11024288	2/7/05	Midwest REM	17.20	Onyx Zion Landfill Zion, IL	
714	IL11024287	2/7/05	Midwest REM	20.74	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
715	IL11024286	2/7/05	Midwest REM	21.12	Onyx Zion Landfill Zion, IL	
716	IL11024285	2/7/05	Midwest REM	19.14	Onyx Zion Landfill Zion, IL	
717	IL11024284	2/7/05	Midwest REM	18.43	Onyx Zion Landfill Zion, IL	
718	IL11024283	2/7/05	Midwest REM	19.58	Onyx Zion Landfill Zion, IL	
719	IL11024282	2/7/05	Midwest REM	18.83	Onyx Zion Landfill Zion, IL	
720	IL11024281	2/7/05	Midwest REM	19.13	Onyx Zion Landfill Zion, IL	
721	IL11024280	2/7/05	Midwest REM	21.27	Onyx Zion Landfill Zion, IL	
722	IL11024279	2/7/05	Midwest REM	19.65	Onyx Zion Landfill Zion, IL	
723	IL11024278	2/7/05	Midwest REM	19.40	Onyx Zion Landfill Zion, IL	
724	IL11024277	2/7/05	Midwest REM	23.52	Onyx Zion Landfill Zion, IL	
725	IL11024276	2/7/05	Midwest REM	18.15	Onyx Zion Landfill Zion, IL	
726	IL11024275	2/7/05	Midwest REM	21.00	Onyx Zion Landfill Zion, IL	
727	IL11024274	2/7/05	Midwest REM	20.04	Onyx Zion Landfill Zion, IL	
728	IL11024273	2/7/05	Midwest REM	20.35	Onyx Zion Landfill Zion, IL	
729	IL11024272	2/7/05	Midwest REM	20.05	Onyx Zion Landfill Zion, IL	
730	IL11024271	2/7/05	Midwest REM	19.66	Onyx Zion Landfill Zion, IL	
731	IL11024270	2/7/05	Midwest REM	19.52	Onyx Zion Landfill Zion, IL	
732	IL11024269	2/7/05	Midwest REM	18.53	Onyx Zion Landfill Zion, IL	
733	IL11024268	2/7/05	Midwest REM	18.28	Onyx Zion Landfill Zion, IL	
734	IL11024267	2/7/05	Midwest REM	18.77	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 2/7/05				449.37		
735	IL11024266	2/18/2005	Midwest REM	15.05	Onyx Zion Landfill Zion, IL	
736	IL11024265	2/18/2005	Midwest REM	17.20	Onyx Zion Landfill Zion, IL	
737	IL11024264	2/18/2005	Midwest REM	16.32	Onyx Zion Landfill Zion, IL	
738	IL11024263	2/18/2005	Midwest REM	16.45	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
739	IL11024262	2/18/2005	Midwest REM	17.18	Onyx Zion Landfill Zion, IL	
740	IL11024261	2/18/2005	Midwest REM	18.75	Onyx Zion Landfill Zion, IL	
741	IL11024260	2/18/2005	Midwest REM	16.47	Onyx Zion Landfill Zion, IL	
742	IL11024259	2/18/2005	Midwest REM	11.58	Onyx Zion Landfill Zion, IL	
743	IL11024258	2/18/2005	Midwest REM	15.64	Onyx Zion Landfill Zion, IL	
744	IL11024257	2/18/2005	Midwest REM	15.62	Onyx Zion Landfill Zion, IL	
745	IL11024256	2/18/2005	Midwest REM	17.69	Onyx Zion Landfill Zion, IL	
746	IL11024255	2/18/2005	Midwest REM	16.56	Onyx Zion Landfill Zion, IL	
747	IL11024254	2/18/2005	Midwest REM	18.18	Onyx Zion Landfill Zion, IL	
748	IL11024253	2/18/2005	Midwest REM	19.22	Onyx Zion Landfill Zion, IL	
749	IL11024252	2/18/2005	Midwest REM	19.68	Onyx Zion Landfill Zion, IL	
750	IL11024251	2/18/2005	Midwest REM	17.18	Onyx Zion Landfill Zion, IL	
751	IL11024250	2/18/2005	Midwest REM	15.47	Onyx Zion Landfill Zion, IL	
752	IL11024249	2/18/2005	Midwest REM	17.31	Onyx Zion Landfill Zion, IL	
753	IL11024248	2/18/2005	Midwest REM	18.62	Onyx Zion Landfill Zion, IL	
754	IL11024247	2/18/2005	Midwest REM	19.03	Onyx Zion Landfill Zion, IL	
755	IL11024246	2/18/2005	Midwest REM	16.58	Onyx Zion Landfill Zion, IL	
756	IL11024245	2/18/2005	Midwest REM	19.73	Onyx Zion Landfill Zion, IL	
757	IL11024244	2/18/2005	Midwest REM	18.48	Onyx Zion Landfill Zion, IL	
758	IL11024243	2/18/2005	Midwest REM	18.48	Onyx Zion Landfill Zion, IL	
759	IL11024242	2/18/2005	Midwest REM	16.79	Onyx Zion Landfill Zion, IL	
760	IL11024241	2/18/2005	Midwest REM	18.95	Onyx Zion Landfill Zion, IL	
761	IL11024240	2/18/2005	Midwest REM	18.74	Onyx Zion Landfill Zion, IL	
762	IL11024239	2/18/2005	Midwest REM	18.26	Onyx Zion Landfill Zion, IL	
763	IL11024238	2/18/2005	Midwest REM	16.99	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
764	IL11024237	2/18/2005	Midwest REM	18.99	Onyx Zion Landfill Zion, IL	
765	IL11024236	2/18/2005	Midwest REM	17.39	Onyx Zion Landfill Zion, IL	
766	IL11024235	2/18/2005	Midwest REM	14.86	Onyx Zion Landfill Zion, IL	
767	IL11024234	2/18/2005	Midwest REM	15.81	Onyx Zion Landfill Zion, IL	
768	IL11024233	2/18/2005	Midwest REM	20.63	Onyx Zion Landfill Zion, IL	
769	IL11024232	2/18/2005	Midwest REM	19.26	Onyx Zion Landfill Zion, IL	
770	IL11024231	2/18/2005	Midwest REM	19.76	Onyx Zion Landfill Zion, IL	
771	IL11024230	2/18/2005	Midwest REM	18.28	Onyx Zion Landfill Zion, IL	
772	IL11024229	2/18/2005	Midwest REM	23.22	Onyx Zion Landfill Zion, IL	
773	IL11024228	2/18/2005	Midwest REM	19.65	Onyx Zion Landfill Zion, IL	
774	IL11024227	2/18/2005	Midwest REM	17.06	Onyx Zion Landfill Zion, IL	
775	IL11024226	2/18/2005	Midwest REM	16.42	Onyx Zion Landfill Zion, IL	
776	IL11024225	2/18/2005	Midwest REM	20.36	Onyx Zion Landfill Zion, IL	
777	IL11024224	2/18/2005	Midwest REM	17.96	Onyx Zion Landfill Zion, IL	
778	IL11024223	2/18/2005	Midwest REM	18.29	Onyx Zion Landfill Zion, IL	
779	IL11024222	2/18/2005	Midwest REM	17.85	Onyx Zion Landfill Zion, IL	
780	IL11024221	2/18/2005	Midwest REM	16.25	Onyx Zion Landfill Zion, IL	
781	IL11024220	2/18/2005	Midwest REM	19.11	Onyx Zion Landfill Zion, IL	
782	IL11024219	2/18/2005	Midwest REM	18.19	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 2/18/05				851.54		
783	IL11024218	2/21/2005	Midwest REM	18.05	Onyx Zion Landfill Zion, IL	
784	IL11024217	2/21/2005	Midwest REM	18.67	Onyx Zion Landfill Zion, IL	
785	IL11024216	2/21/2005	Midwest REM	18.42	Onyx Zion Landfill Zion, IL	
786	IL11024215	2/21/2005	Midwest REM	21.15	Onyx Zion Landfill Zion, IL	
787	IL11024214	2/21/2005	Midwest REM	17.69	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
788	IL11024213	2/21/2005	Midwest REM	20.89	Onyx Zion Landfill Zion, IL	
789	IL11024212	2/21/2005	Midwest REM	19.91	Onyx Zion Landfill Zion, IL	
790	IL11024211	2/21/2005	Midwest REM	20.77	Onyx Zion Landfill Zion, IL	
791	IL11024210	2/21/2005	Midwest REM	19.36	Onyx Zion Landfill Zion, IL	
792	IL11024209	2/21/2005	Midwest REM	18.78	Onyx Zion Landfill Zion, IL	
793	IL11024208	2/21/2005	Midwest REM	18.99	Onyx Zion Landfill Zion, IL	
794	IL11024207	2/21/2005	Midwest REM	22.46	Onyx Zion Landfill Zion, IL	
795	IL11024206	2/21/2005	Midwest REM	20.04	Onyx Zion Landfill Zion, IL	
796	IL11024205	2/21/2005	Midwest REM	21.80	Onyx Zion Landfill Zion, IL	
797	IL11024204	2/21/2005	Midwest REM	22.44	Onyx Zion Landfill Zion, IL	
798	IL11024203	2/21/2005	Midwest REM	19.63	Onyx Zion Landfill Zion, IL	
799	IL11024202	2/21/2005	Midwest REM	18.17	Onyx Zion Landfill Zion, IL	
800	IL11024201	2/21/2005	Midwest REM	18.59	Onyx Zion Landfill Zion, IL	
801	IL11024200	2/21/2005	Midwest REM	19.32	Onyx Zion Landfill Zion, IL	
802	IL11024199	2/21/2005	Midwest REM	21.25	Onyx Zion Landfill Zion, IL	
803	IL11024198	2/21/2005	Midwest REM	20.13	Onyx Zion Landfill Zion, IL	
804	IL11024197	2/21/2005	Midwest REM	19.25	Onyx Zion Landfill Zion, IL	
805	IL11024196	2/21/2005	Midwest REM	19.86	Onyx Zion Landfill Zion, IL	
806	IL11024195	2/21/2005	Midwest REM	20.66	Onyx Zion Landfill Zion, IL	
807	IL11024194	2/21/2005	Midwest REM	21.01	Onyx Zion Landfill Zion, IL	
808	IL11024193	2/21/2005	Midwest REM	21.49	Onyx Zion Landfill Zion, IL	
809	IL11024192	2/21/2005	Midwest REM	16.58	Onyx Zion Landfill Zion, IL	
810	IL11024191	2/21/2005	Midwest REM	18.29	Onyx Zion Landfill Zion, IL	
811	IL11024190	2/21/2005	Midwest REM	20.00	Onyx Zion Landfill Zion, IL	
812	IL11024189	2/21/2005	Midwest REM	21.06	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
813	IL11024188	2/21/2005	Midwest REM	22.59	Onyx Zion Landfill Zion, IL	
814	IL11024187	2/21/2005	Midwest REM	20.47	Onyx Zion Landfill Zion, IL	
815	IL11024186	2/21/2005	Midwest REM	21.71	Onyx Zion Landfill Zion, IL	
816	IL11024185	2/21/2005	Midwest REM	21.81	Onyx Zion Landfill Zion, IL	
817	IL11024184	2/21/2005	Midwest REM	19.08	Onyx Zion Landfill Zion, IL	
818	IL11024183	2/21/2005	Midwest REM	22.90	Onyx Zion Landfill Zion, IL	
819	IL11024182	2/21/2005	Midwest REM	18.68	Onyx Zion Landfill Zion, IL	
820	IL11024181	2/21/2005	Midwest REM	19.62	Onyx Zion Landfill Zion, IL	
821	IL11024180	2/21/2005	Midwest REM	20.03	Onyx Zion Landfill Zion, IL	
822	IL11024179	2/21/2005	Midwest REM	21.08	Onyx Zion Landfill Zion, IL	
823	IL11024178	2/21/2005	Midwest REM	20.11	Onyx Zion Landfill Zion, IL	
824	IL11024177	2/21/2005	Midwest REM	21.97	Onyx Zion Landfill Zion, IL	
825	IL11024176	2/21/2005	Midwest REM	20.86	Onyx Zion Landfill Zion, IL	
826	IL11024175	2/21/2005	Midwest REM	20.58	Onyx Zion Landfill Zion, IL	
827	IL11024174	2/21/2005	Midwest REM	23.37	Onyx Zion Landfill Zion, IL	
828	IL11024173	2/21/2005	Midwest REM	19.19	Onyx Zion Landfill Zion, IL	
829	IL11024172	2/21/2005	Midwest REM	19.30	Onyx Zion Landfill Zion, IL	
830	IL11024171	2/21/2005	Midwest REM	22.30	Onyx Zion Landfill Zion, IL	
831	IL11024170	2/21/2005	Midwest REM	19.33	Onyx Zion Landfill Zion, IL	
832	IL11024169	2/21/2005	Midwest REM	19.18	Onyx Zion Landfill Zion, IL	
833	IL11024168	2/21/2005	Midwest REM	18.90	Onyx Zion Landfill Zion, IL	
834	IL11024167	2/21/2005	Midwest REM	23.67	Onyx Zion Landfill Zion, IL	
835	IL11024166	2/21/2005	Midwest REM	21.77	Onyx Zion Landfill Zion, IL	
836	IL11024165	2/21/2005	Midwest REM	22.22	Onyx Zion Landfill Zion, IL	
837	IL11024164	2/21/2005	Midwest REM	19.12	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>		<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
838	IL11024163	2/21/2005	Midwest REM		19.97	Onyx Zion Landfill Zion, IL	
839	IL11024162	2/21/2005	Midwest REM		16.88	Onyx Zion Landfill Zion, IL	
840	IL11024161	2/21/2005	Midwest REM		19.43	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 2/21/05					1,170.83		
841	IL11024160	2/22/2005	Midwest REM		19.84	Onyx Zion Landfill Zion, IL	
842	IL11024159	2/22/2005	Midwest REM		18.48	Onyx Zion Landfill Zion, IL	
843	IL11024158	2/22/2005	Midwest REM		18.41	Onyx Zion Landfill Zion, IL	
844	IL11024157	2/22/2005	Midwest REM		21.44	Onyx Zion Landfill Zion, IL	
845	IL11024156	2/22/2005	Midwest REM		17.44	Onyx Zion Landfill Zion, IL	
846	IL11024155	2/22/2005	Midwest REM		17.24	Onyx Zion Landfill Zion, IL	
847	IL11024154	2/22/2005	Midwest REM		19.02	Onyx Zion Landfill Zion, IL	
848	IL11024153	2/22/2005	Midwest REM		19.06	Onyx Zion Landfill Zion, IL	
849	IL11024152	2/22/2005	Midwest REM		18.24	Onyx Zion Landfill Zion, IL	
850	IL11024151	2/22/2005	Midwest REM		17.68	Onyx Zion Landfill Zion, IL	
851	IL11024150	2/22/2005	Midwest REM		19.75	Onyx Zion Landfill Zion, IL	
852	IL11024149	2/22/2005	Midwest REM		22.41	Onyx Zion Landfill Zion, IL	
853	IL11024148	2/22/2005	Midwest REM		19.63	Onyx Zion Landfill Zion, IL	
854	IL11024147	2/22/2005	Midwest REM		22.54	Onyx Zion Landfill Zion, IL	
855	IL11024146	2/22/2005	Midwest REM		21.71	Onyx Zion Landfill Zion, IL	
856	IL11024145	2/22/2005	Midwest REM		19.74	Onyx Zion Landfill Zion, IL	
857	IL11024144	2/22/2005	Midwest REM		20.23	Onyx Zion Landfill Zion, IL	
858	IL11024143	2/22/2005	Midwest REM		19.67	Onyx Zion Landfill Zion, IL	
859	IL11024142	2/22/2005	Midwest REM		22.10	Onyx Zion Landfill Zion, IL	
860	IL11024141	2/22/2005	Midwest REM		19.55	Onyx Zion Landfill Zion, IL	
861	IL11024140	2/22/2005	Midwest REM		20.44	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
862	IL11024139	2/22/2005	Midwest REM	22.98	Onyx Zion Landfill Zion, IL	
863	IL11024138	2/22/2005	Midwest REM	22.07	Onyx Zion Landfill Zion, IL	
864	IL11024137	2/22/2005	Midwest REM	21.44	Onyx Zion Landfill Zion, IL	
865	IL11024136	2/22/2005	Midwest REM	21.65	Onyx Zion Landfill Zion, IL	
866	IL11024135	2/22/2005	Midwest REM	19.00	Onyx Zion Landfill Zion, IL	
867	IL11024134	2/22/2005	Midwest REM	22.89	Onyx Zion Landfill Zion, IL	
868	IL11024133	2/22/2005	Midwest REM	17.37	Onyx Zion Landfill Zion, IL	
869	IL11024132	2/22/2005	Midwest REM	21.65	Onyx Zion Landfill Zion, IL	
870	IL11024131	2/22/2005	Midwest REM	21.73	Onyx Zion Landfill Zion, IL	
871	IL11024130	2/22/2005	Midwest REM	19.47	Onyx Zion Landfill Zion, IL	
872	IL11024129	2/22/2005	Midwest REM	21.30	Onyx Zion Landfill Zion, IL	
873	IL11024128	2/22/2005	Midwest REM	21.17	Onyx Zion Landfill Zion, IL	
874	IL11024127	2/22/2005	Midwest REM	20.17	Onyx Zion Landfill Zion, IL	
875	IL11024126	2/22/2005	Midwest REM	18.39	Onyx Zion Landfill Zion, IL	
876	IL11024125	2/22/2005	Midwest REM	18.59	Onyx Zion Landfill Zion, IL	
877	IL11024124	2/22/2005	Midwest REM	22.40	Onyx Zion Landfill Zion, IL	
878	IL11024123	2/22/2005	Midwest REM	17.82	Onyx Zion Landfill Zion, IL	
879	IL11024122	2/22/2005	Midwest REM	20.73	Onyx Zion Landfill Zion, IL	
880	IL11024121	2/22/2005	Midwest REM	17.26	Onyx Zion Landfill Zion, IL	
881	IL11024120	2/22/2005	Midwest REM	20.25	Onyx Zion Landfill Zion, IL	
882	IL11024119	2/22/2005	Midwest REM	19.18	Onyx Zion Landfill Zion, IL	
883	IL11024118	2/22/2005	Midwest REM	18.21	Onyx Zion Landfill Zion, IL	
884	IL11024117	2/22/2005	Midwest REM	21.72	Onyx Zion Landfill Zion, IL	
885	IL11024116	2/22/2005	Midwest REM	17.59	Onyx Zion Landfill Zion, IL	
886	IL11024115	2/22/2005	Midwest REM	18.08	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>		<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
887	IL11024114	2/22/2005	Midwest REM		20.44	Onyx Zion Landfill Zion, IL	
888	IL11024113	2/22/2005	Midwest REM		20.59	Onyx Zion Landfill Zion, IL	
889	IL11024112	2/22/2005	Midwest REM		21.26	Onyx Zion Landfill Zion, IL	
890	IL11024111	2/22/2005	Midwest REM		18.27	Onyx Zion Landfill Zion, IL	
891	IL11024110	2/22/2005	Midwest REM		23.56	Onyx Zion Landfill Zion, IL	
892	IL11024109	2/22/2005	Midwest REM		18.45	Onyx Zion Landfill Zion, IL	
893	IL11024108	2/22/2005	Midwest REM		19.11	Onyx Zion Landfill Zion, IL	
894	IL11024107	2/22/2005	Midwest REM		18.10	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 2/22/05	1,077.51		
895	IL11024106	2/23/2005	Midwest REM		22.07	Onyx Zion Landfill Zion, IL	
VOID	IL11024105	2/23/2005	VOID			VOID	
896	IL11024104	2/23/2005	Midwest REM		15.83	Onyx Zion Landfill Zion, IL	
897	IL11024103	2/23/2005	Midwest REM		16.93	Onyx Zion Landfill Zion, IL	
898	IL11024102	2/23/2005	Midwest REM		6.00	Onyx Zion Landfill Zion, IL	
899	IL11024101	2/23/2005	Midwest REM		20.00	Onyx Zion Landfill Zion, IL	
900	IL11024100	2/23/2005	Midwest REM		5.41	Onyx Zion Landfill Zion, IL	
901	IL11024099	2/23/2005	Midwest REM		19.43	Onyx Zion Landfill Zion, IL	
902	IL11024098	2/23/2005	Midwest REM		8.10	Onyx Zion Landfill Zion, IL	
903	IL11024097	2/23/2005	Midwest REM		7.30	Onyx Zion Landfill Zion, IL	
904	IL11024096	2/23/2005	Midwest REM		17.10	Onyx Zion Landfill Zion, IL	
905	IL11024095	2/23/2005	Midwest REM		5.94	Onyx Zion Landfill Zion, IL	
906	IL11024094	2/23/2005	Midwest REM		15.93	Onyx Zion Landfill Zion, IL	
907	IL11024093	2/23/2005	Midwest REM		6.05	Onyx Zion Landfill Zion, IL	
908	IL11024092	2/23/2005	Midwest REM		6.29	Onyx Zion Landfill Zion, IL	
909	IL11024091	2/23/2005	Midwest REM		7.25	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
910	IL11024090	2/23/2005	Midwest REM	10.73	Onyx Zion Landfill Zion, IL	
911	IL11024089	2/23/2005	Midwest REM	10.73	Onyx Zion Landfill Zion, IL	
912	IL11024088	2/23/2005	Midwest REM	15.40	Onyx Zion Landfill Zion, IL	
913	IL11024087	2/23/2005	Midwest REM	13.90	Onyx Zion Landfill Zion, IL	
914	IL11024086	2/23/2005	Midwest REM	16.32	Onyx Zion Landfill Zion, IL	
915	IL11024085	2/23/2005	Midwest REM	12.70	Onyx Zion Landfill Zion, IL	
916	IL11024084	2/23/2005	Midwest REM	16.63	Onyx Zion Landfill Zion, IL	
917	IL11024083	2/23/2005	Midwest REM	11.80	Onyx Zion Landfill Zion, IL	
918	IL11024082	2/23/2005	Midwest REM	18.94	Onyx Zion Landfill Zion, IL	
919	IL11024081	2/23/2005	Midwest REM	14.24	Onyx Zion Landfill Zion, IL	
920	IL11024080	2/23/2005	Midwest REM	19.45	Onyx Zion Landfill Zion, IL	
921	IL11024079	2/23/2005	Midwest REM	18.58	Onyx Zion Landfill Zion, IL	
922	IL11024078	2/23/2005	Midwest REM	15.90	Onyx Zion Landfill Zion, IL	
923	IL11024077	2/23/2005	Midwest REM	18.08	Onyx Zion Landfill Zion, IL	
924	IL11024076	2/23/2005	Midwest REM	19.63	Onyx Zion Landfill Zion, IL	
925	IL11024075	2/23/2005	Midwest REM	20.43	Onyx Zion Landfill Zion, IL	Concrete
926	IL11024074	2/23/2005	Midwest REM	23.07	Onyx Zion Landfill Zion, IL	
927	IL11024073	2/23/2005	Midwest REM	19.06	Onyx Zion Landfill Zion, IL	
928	IL11024072	2/23/2005	Midwest REM	18.14	Onyx Zion Landfill Zion, IL	Concrete
929	IL11024071	2/23/2005	Midwest REM	18.45	Onyx Zion Landfill Zion, IL	
930	IL11024070	2/23/2005	Midwest REM	22.26	Onyx Zion Landfill Zion, IL	Concrete
931	IL11024069	2/23/2005	Midwest REM	17.56	Onyx Zion Landfill Zion, IL	Concrete
932	IL11024068	2/23/2005	Midwest REM	19.81	Onyx Zion Landfill Zion, IL	Concrete
933	IL11024067	2/23/2005	Midwest REM	24.65	Onyx Zion Landfill Zion, IL	Concrete
934	IL11024066	2/23/2005	Midwest REM	20.14	Onyx Zion Landfill Zion, IL	Concrete

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
935	IL11024065	2/23/2005	Midwest REM	22.79	Onyx Zion Landfill Zion, IL	Concrete
936	IL11024064	2/23/2005	Midwest REM	19.25	Onyx Zion Landfill Zion, IL	
937	IL11024063	2/23/2005	Midwest REM	18.98	Onyx Zion Landfill Zion, IL	
938	IL11024062	2/23/2005	Midwest REM	21.21	Onyx Zion Landfill Zion, IL	Concrete
939	IL11024061	2/23/2005	Midwest REM	21.46	Onyx Zion Landfill Zion, IL	
940	IL11024060	2/23/2005	Midwest REM	21.35	Onyx Zion Landfill Zion, IL	Concrete
941	IL11024059	2/23/2005	Midwest REM	22.77	Onyx Zion Landfill Zion, IL	Concrete
942	IL11024058	2/23/2005	Midwest REM	17.09	Onyx Zion Landfill Zion, IL	Concrete
943	IL11024057	2/23/2005	Midwest REM	23.78	Onyx Zion Landfill Zion, IL	
944	IL11024056	2/23/2005	Midwest REM	22.76	Onyx Zion Landfill Zion, IL	Concrete
945	IL11024055	2/23/2005	Midwest REM	21.56	Onyx Zion Landfill Zion, IL	Concrete
946	IL11024054	2/23/2005	Midwest REM	17.10	Onyx Zion Landfill Zion, IL	Concrete
947	IL11024053	2/23/2005	Midwest REM	21.79	Onyx Zion Landfill Zion, IL	Concrete
948	IL11024052	2/23/2005	Midwest REM	15.42	Onyx Zion Landfill Zion, IL	
949	IL11024051	2/23/2005	Midwest REM	17.17	Onyx Zion Landfill Zion, IL	Concrete
950	IL11024050	2/23/2005	Midwest REM	22.27	Onyx Zion Landfill Zion, IL	
951	IL11024049	2/23/2005	Midwest REM	18.87	Onyx Zion Landfill Zion, IL	
952	IL11024048	2/23/2005	Midwest REM	21.55	Onyx Zion Landfill Zion, IL	Concrete
953	IL11024047	2/23/2005	Midwest REM	19.73	Onyx Zion Landfill Zion, IL	
954	IL11024046	2/23/2005	Midwest REM	19.01	Onyx Zion Landfill Zion, IL	Concrete and Metal
955	IL11024045	2/23/2005	Midwest REM	21.49	Onyx Zion Landfill Zion, IL	
956	IL11024044	2/23/2005	Midwest REM	18.18	Onyx Zion Landfill Zion, IL	Concrete and Metal
957	IL11024043	2/23/2005	Midwest REM	20.90	Onyx Zion Landfill Zion, IL	
958	IL11024042	2/23/2005	Midwest REM	16.22	Onyx Zion Landfill Zion, IL	Concrete and Metal
959	IL11024041	2/23/2005	Midwest REM	24.99	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
960	IL11024040	2/23/2005	Midwest REM	18.57	Onyx Zion Landfill Zion, IL	
961	IL11024039	2/23/2005	Midwest REM	19.39	Onyx Zion Landfill Zion, IL	Concrete and Metal
962	IL11024038	2/23/2005	Midwest REM	16.99	Onyx Zion Landfill Zion, IL	
963	IL11024037	2/23/2005	Midwest REM	16.72	Onyx Zion Landfill Zion, IL	Concrete and Metal
964	IL11024036	2/23/2005	Midwest REM	19.46	Onyx Zion Landfill Zion, IL	
965	IL11024035	2/23/2005	Midwest REM	18.84	Onyx Zion Landfill Zion, IL	Concrete and Metal
966	IL11024034	2/23/2005	Midwest REM	19.57	Onyx Zion Landfill Zion, IL	
967	IL11024033	2/23/2005	Midwest REM	18.32	Onyx Zion Landfill Zion, IL	Concrete and Metal
968	IL11024032	2/23/2005	Midwest REM	21.54	Onyx Zion Landfill Zion, IL	Concrete and Metal
969	IL11024031	2/23/2005	Midwest REM	20.24	Onyx Zion Landfill Zion, IL	
970	IL11024030	2/23/2005	Midwest REM	18.94	Onyx Zion Landfill Zion, IL	
971	IL11024029	2/23/2005	Midwest REM	19.07	Onyx Zion Landfill Zion, IL	Concrete
972	IL11024028	2/23/2005	Midwest REM	19.52	Onyx Zion Landfill Zion, IL	Concrete
973	IL11024027	2/23/2005	Midwest REM	17.19	Onyx Zion Landfill Zion, IL	Concrete
974	IL11024026	2/23/2005	Midwest REM	22.28	Onyx Zion Landfill Zion, IL	
975	IL11024025	2/23/2005	Midwest REM	20.46	Onyx Zion Landfill Zion, IL	Concrete
976	IL11024024	2/23/2005	Midwest REM	16.14	Onyx Zion Landfill Zion, IL	Concrete
977	IL11024023	2/23/2005	Midwest REM	19.95	Onyx Zion Landfill Zion, IL	
978	IL11024022	2/23/2005	Midwest REM	18.88	Onyx Zion Landfill Zion, IL	Concrete
979	IL11024021	2/23/2005	Midwest REM	22.83	Onyx Zion Landfill Zion, IL	
980	IL11024020	2/23/2005	Midwest REM	19.20	Onyx Zion Landfill Zion, IL	Concrete and Metal
981	IL11024019	2/23/2005	Midwest REM	19.04	Onyx Zion Landfill Zion, IL	
982	IL11024018	2/23/2005	Midwest REM	18.10	Onyx Zion Landfill Zion, IL	
983	IL11024017	2/23/2005	Midwest REM	21.78	Onyx Zion Landfill Zion, IL	
984	IL11024016	2/23/2005	Midwest REM	23.52	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
985	IL11024015	2/23/2005	Midwest REM	19.96	Onyx Zion Landfill Zion, IL	
986	IL11024014	2/23/2005	Midwest REM	21.89	Onyx Zion Landfill Zion, IL	Concrete and Metal
987	IL11024013	2/23/2005	Midwest REM	18.40	Onyx Zion Landfill Zion, IL	
988	IL11024012	2/23/2005	Midwest REM	20.79	Onyx Zion Landfill Zion, IL	Concrete and Metal
989	IL11024011	2/23/2005	Midwest REM	20.10	Onyx Zion Landfill Zion, IL	
990	IL11024010	2/23/2005	Midwest REM	19.36	Onyx Zion Landfill Zion, IL	Concrete and Metal
991	IL11024009	2/23/2005	Midwest REM	22.62	Onyx Zion Landfill Zion, IL	
992	IL11024008	2/23/2005	Midwest REM	18.37	Onyx Zion Landfill Zion, IL	Concrete
993	IL10484571	2/23/2005	Midwest REM	21.49	Onyx Zion Landfill Zion, IL	
994	IL10484572	2/23/2005	Midwest REM	20.32	Onyx Zion Landfill Zion, IL	Concrete and Metal
995	IL10484573	2/23/2005	Midwest REM	18.99	Onyx Zion Landfill Zion, IL	Concrete and Metal
996	IL10484574	2/23/2005	Midwest REM	15.59	Onyx Zion Landfill Zion, IL	Concrete and Metal
997	IL10484575	2/23/2005	Midwest REM	17.51	Onyx Zion Landfill Zion, IL	Concrete and Metal
998	IL10484576	2/23/2005	Midwest REM	24.66	Onyx Zion Landfill Zion, IL	Concrete and Metal
999	IL10484577	2/23/2005	Midwest REM	22.31	Onyx Zion Landfill Zion, IL	Concrete and Metal
1000	IL10484578	2/23/2005	Midwest REM	22.86	Onyx Zion Landfill Zion, IL	Concrete and Metal
SUBTOTAL WEIGHT- 2/23/05				1,935.68		
1001	IL10484579	2/24/2005	Midwest REM	17.10	Onyx Zion Landfill Zion, IL	Concrete
1002	IL10484580	2/24/2005	Midwest REM	20.00	Onyx Zion Landfill Zion, IL	Concrete
1003	IL10484581	2/24/2005	Midwest REM	19.66	Onyx Zion Landfill Zion, IL	Concrete
1004	IL10484582	2/24/2005	Midwest REM	19.71	Onyx Zion Landfill Zion, IL	Concrete
1005	IL10484583	2/24/2005	Midwest REM	22.30	Onyx Zion Landfill Zion, IL	Concrete
1006	IL10484584	2/24/2005	Midwest REM	24.79	Onyx Zion Landfill Zion, IL	Concrete
1007	IL10484585	2/24/2005	Midwest REM	18.68	Onyx Zion Landfill Zion, IL	Concrete
1008	IL10484586	2/24/2005	Midwest REM	21.93	Onyx Zion Landfill Zion, IL	Concrete

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1009	IL10484587	2/24/2005	Midwest REM	19.63	Onyx Zion Landfill Zion, IL	Concrete
1010	IL10484588	2/24/2005	Midwest REM	18.32	Onyx Zion Landfill Zion, IL	Concrete
1011	IL10484589	2/24/2005	Midwest REM	18.36	Onyx Zion Landfill Zion, IL	Concrete
1012	IL10484590	2/24/2005	Midwest REM	17.45	Onyx Zion Landfill Zion, IL	Concrete
1013	IL10484591	2/24/2005	Midwest REM	19.03	Onyx Zion Landfill Zion, IL	Concrete
1014	IL10484592	2/24/2005	Midwest REM	18.82	Onyx Zion Landfill Zion, IL	
1015	IL10484593	2/24/2005	Midwest REM	18.64	Onyx Zion Landfill Zion, IL	
1016	IL10484594	2/24/2005	Midwest REM	21.40	Onyx Zion Landfill Zion, IL	
1017	IL10484595	2/24/2005	Midwest REM	19.75	Onyx Zion Landfill Zion, IL	
1018	IL10484596	2/24/2005	Midwest REM	18.91	Onyx Zion Landfill Zion, IL	
1019	IL10484597	2/24/2005	Midwest REM	18.84	Onyx Zion Landfill Zion, IL	
1020	IL10484598	2/24/2005	Midwest REM	18.81	Onyx Zion Landfill Zion, IL	
1021	IL10484599	2/24/2005	Midwest REM	18.29	Onyx Zion Landfill Zion, IL	
1022	IL10484600	2/24/2005	Midwest REM	19.53	Onyx Zion Landfill Zion, IL	
1023	IL10484601	2/24/2005	Midwest REM	19.69	Onyx Zion Landfill Zion, IL	
1024	IL10484602	2/24/2005	Midwest REM	20.78	Onyx Zion Landfill Zion, IL	
1025	IL10484603	2/24/2005	Midwest REM	20.16	Onyx Zion Landfill Zion, IL	
1026	IL10484604	2/24/2005	Midwest REM	18.38	Onyx Zion Landfill Zion, IL	
1027	IL10484605	2/24/2005	Midwest REM	17.29	Onyx Zion Landfill Zion, IL	
1028	IL10484606	2/24/2005	Midwest REM	20.84	Onyx Zion Landfill Zion, IL	
1029	IL10484607	2/24/2005	Midwest REM	19.55	Onyx Zion Landfill Zion, IL	
1030	IL10484608	2/24/2005	Midwest REM	18.18	Onyx Zion Landfill Zion, IL	
1031	IL10484609	2/24/2005	Midwest REM	22.67	Onyx Zion Landfill Zion, IL	
1032	IL10484610	2/24/2005	Midwest REM	17.97	Onyx Zion Landfill Zion, IL	
1033	IL10484611	2/24/2005	Midwest REM	19.27	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1034	IL10484612	2/24/2005	Midwest REM	22.49	Onyx Zion Landfill Zion, IL	
1035	IL10484613	2/24/2005	Midwest REM	18.09	Onyx Zion Landfill Zion, IL	
1036	IL10484614	2/24/2005	Midwest REM	19.98	Onyx Zion Landfill Zion, IL	
1037	IL10484615	2/24/2005	Midwest REM	20.95	Onyx Zion Landfill Zion, IL	
1038	IL10484616	2/24/2005	Midwest REM	17.50	Onyx Zion Landfill Zion, IL	
1039	IL10484617	2/24/2005	Midwest REM	19.36	Onyx Zion Landfill Zion, IL	
1040	IL10484618	2/24/2005	Midwest REM	19.05	Onyx Zion Landfill Zion, IL	
1041	IL10484619	2/24/2005	Midwest REM	17.24	Onyx Zion Landfill Zion, IL	
1042	IL10484620	2/24/2005	Midwest REM	16.25	Onyx Zion Landfill Zion, IL	
1043	IL10484621	2/24/2005	Midwest REM	17.75	Onyx Zion Landfill Zion, IL	
1044	IL10484622	2/24/2005	Midwest REM	16.33	Onyx Zion Landfill Zion, IL	
1045	IL10484623	2/24/2005	Midwest REM	12.46	Onyx Zion Landfill Zion, IL	
1046	IL10484624	2/24/2005	Midwest REM	15.54	Onyx Zion Landfill Zion, IL	
1047	IL10484625	2/24/2005	Midwest REM	16.97	Onyx Zion Landfill Zion, IL	
1048	IL10484626	2/24/2005	Midwest REM	14.13	Onyx Zion Landfill Zion, IL	
1049	IL10484627	2/24/2005	Midwest REM	16.06	Onyx Zion Landfill Zion, IL	
1050	IL10484628	2/24/2005	Midwest REM	17.15	Onyx Zion Landfill Zion, IL	
1051	IL10484629	2/24/2005	Midwest REM	13.91	Onyx Zion Landfill Zion, IL	
1052	IL10484630	2/24/2005	Midwest REM	18.11	Onyx Zion Landfill Zion, IL	
1053	IL10484631	2/24/2005	Midwest REM	20.27	Onyx Zion Landfill Zion, IL	
1054	IL10484632	2/24/2005	Midwest REM	18.41	Onyx Zion Landfill Zion, IL	
1055	IL10484633	2/24/2005	Midwest REM	17.35	Onyx Zion Landfill Zion, IL	
1056	IL10484634	2/24/2005	Midwest REM	18.32	Onyx Zion Landfill Zion, IL	
1057	IL10484635	2/24/2005	Midwest REM	19.38	Onyx Zion Landfill Zion, IL	
1058	IL10484636	2/24/2005	Midwest REM	18.08	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1059	IL10484637	2/24/2005	Midwest REM	18.75	Onyx Zion Landfill Zion, IL	
1060	IL10484638	2/24/2005	Midwest REM	18.82	Onyx Zion Landfill Zion, IL	
1061	IL10484639	2/24/2005	Midwest REM	18.02	Onyx Zion Landfill Zion, IL	
1062	IL10484640	2/24/2005	Midwest REM	19.17	Onyx Zion Landfill Zion, IL	
1063	IL10484641	2/24/2005	Midwest REM	18.92	Onyx Zion Landfill Zion, IL	
1064	IL10484642	2/24/2005	Midwest REM	18.86	Onyx Zion Landfill Zion, IL	
1065	IL10484643	2/24/2005	Midwest REM	20.47	Onyx Zion Landfill Zion, IL	
1066	IL10484644	2/24/2005	Midwest REM	18.16	Onyx Zion Landfill Zion, IL	
1067	IL10484645	2/24/2005	Midwest REM	19.68	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 2/24/05				1,256.71		
1068	IL10484646	2/25/2005	Midwest REM	17.90	Onyx Zion Landfill Zion, IL	
1069	IL10484647	2/25/2005	Midwest REM	18.00	Onyx Zion Landfill Zion, IL	
1070	IL10484648	2/25/2005	Midwest REM	17.75	Onyx Zion Landfill Zion, IL	
1071	IL10484649	2/25/2005	Midwest REM	20.14	Onyx Zion Landfill Zion, IL	
1072	IL10484650	2/25/2005	Midwest REM	19.77	Onyx Zion Landfill Zion, IL	
1073	IL10484651	2/25/2005	Midwest REM	16.09	Onyx Zion Landfill Zion, IL	
1074	IL10484652	2/25/2005	Midwest REM	17.24	Onyx Zion Landfill Zion, IL	
1075	IL10484653	2/25/2005	Midwest REM	16.56	Onyx Zion Landfill Zion, IL	
1076	IL10484654	2/25/2005	Midwest REM	16.39	Onyx Zion Landfill Zion, IL	
1077	IL10484655	2/25/2005	Midwest REM	18.30	Onyx Zion Landfill Zion, IL	
1078	IL10484656	2/25/2005	Midwest REM	17.47	Onyx Zion Landfill Zion, IL	
1079	IL10484657	2/25/2005	Midwest REM	15.50	Onyx Zion Landfill Zion, IL	
1080	IL10484658	2/25/2005	Midwest REM	17.47	Onyx Zion Landfill Zion, IL	
1081	IL10484659	2/25/2005	Midwest REM	18.98	Onyx Zion Landfill Zion, IL	
1082	IL10484660	2/25/2005	Midwest REM	16.75	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1083	IL10484661	2/25/2005	Midwest REM	17.52	Onyx Zion Landfill Zion, IL	
1084	IL10484662	2/25/2005	Midwest REM	20.18	Onyx Zion Landfill Zion, IL	
1085	IL10484663	2/25/2005	Midwest REM	16.26	Onyx Zion Landfill Zion, IL	
1086	IL10484664	2/25/2005	Midwest REM	16.34	Onyx Zion Landfill Zion, IL	
1087	IL10484665	2/25/2005	Midwest REM	16.33	Onyx Zion Landfill Zion, IL	
1088	IL10484666	2/25/2005	Midwest REM	15.60	Onyx Zion Landfill Zion, IL	
1089	IL10484667	2/25/2005	Midwest REM	16.73	Onyx Zion Landfill Zion, IL	
1090	IL10484668	2/25/2005	Midwest REM	16.20	Onyx Zion Landfill Zion, IL	
1091	IL10484669	2/25/2005	Midwest REM	16.46	Onyx Zion Landfill Zion, IL	
1092	IL10484670	2/25/2005	Midwest REM	6.74	Onyx Zion Landfill Zion, IL	
1093	IL10484671	2/25/2005	Midwest REM	17.15	Onyx Zion Landfill Zion, IL	
1094	IL10484672	2/25/2005	Midwest REM	14.98	Onyx Zion Landfill Zion, IL	
1095	IL10484673	2/25/2005	Midwest REM	17.02	Onyx Zion Landfill Zion, IL	
1096	IL10484674	2/25/2005	Midwest REM	15.56	Onyx Zion Landfill Zion, IL	
1097	IL10484675	2/25/2005	Midwest REM	17.34	Onyx Zion Landfill Zion, IL	
1098	IL10484676	2/25/2005	Midwest REM	16.94	Onyx Zion Landfill Zion, IL	
1099	IL10484677	2/25/2005	Midwest REM	19.02	Onyx Zion Landfill Zion, IL	
1100	IL10484678	2/25/2005	Midwest REM	17.91	Onyx Zion Landfill Zion, IL	
1101	IL10484679	2/25/2005	Midwest REM	15.76	Onyx Zion Landfill Zion, IL	
1102	IL10484680	2/25/2005	Midwest REM	17.40	Onyx Zion Landfill Zion, IL	
1103	IL10484681	2/25/2005	Midwest REM	15.12	Onyx Zion Landfill Zion, IL	
1104	IL10484682	2/25/2005	Midwest REM	15.63	Onyx Zion Landfill Zion, IL	
1105	IL10484683	2/25/2005	Midwest REM	16.80	Onyx Zion Landfill Zion, IL	
1106	IL10484684	2/25/2005	Midwest REM	17.29	Onyx Zion Landfill Zion, IL	
1107	IL10484685	2/25/2005	Midwest REM	16.57	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1108	IL10484686	2/25/2005	Midwest REM	17.44	Onyx Zion Landfill Zion, IL	
1109	IL10484687	2/25/2005	Midwest REM	18.60	Onyx Zion Landfill Zion, IL	
1110	IL10484688	2/25/2005	Midwest REM	16.87	Onyx Zion Landfill Zion, IL	
1111	IL10484689	2/25/2005	Midwest REM	17.82	Onyx Zion Landfill Zion, IL	
1112	IL10484690	2/25/2005	Midwest REM	19.40	Onyx Zion Landfill Zion, IL	
1113	IL10484691	2/25/2005	Midwest REM	18.30	Onyx Zion Landfill Zion, IL	
1114	IL10484692	2/25/2005	Midwest REM	18.34	Onyx Zion Landfill Zion, IL	
1115	IL10484693	2/25/2005	Midwest REM	18.72	Onyx Zion Landfill Zion, IL	
1116	IL10484694	2/25/2005	Midwest REM	16.69	Onyx Zion Landfill Zion, IL	
1117	IL10484695	2/25/2005	Midwest REM	17.21	Onyx Zion Landfill Zion, IL	
1118	IL10484696	2/25/2005	Midwest REM	16.05	Onyx Zion Landfill Zion, IL	
1119	IL10484697	2/25/2005	Midwest REM	19.66	Onyx Zion Landfill Zion, IL	
1120	IL10484698	2/25/2005	Midwest REM	18.48	Onyx Zion Landfill Zion, IL	
1121	IL10484699	2/25/2005	Midwest REM	18.06	Onyx Zion Landfill Zion, IL	
1122	IL10484700	2/25/2005	Midwest REM	18.22	Onyx Zion Landfill Zion, IL	
1123	IL10484701	2/25/2005	Midwest REM	18.75	Onyx Zion Landfill Zion, IL	
1124	IL10484702	2/25/2005	Midwest REM	17.98	Onyx Zion Landfill Zion, IL	
1125	IL10484703	2/25/2005	Midwest REM	17.50	Onyx Zion Landfill Zion, IL	
1126	IL10484704	2/25/2005	Midwest REM	21.68	Onyx Zion Landfill Zion, IL	
1127	IL10484705	2/25/2005	Midwest REM	16.79	Onyx Zion Landfill Zion, IL	
1128	IL10484706	2/25/2005	Midwest REM	17.61	Onyx Zion Landfill Zion, IL	
1129	IL10484707	2/25/2005	Midwest REM	15.20	Onyx Zion Landfill Zion, IL	
1130	IL10484708	2/25/2005	Midwest REM	18.97	Onyx Zion Landfill Zion, IL	
1131	IL10484709	2/25/2005	Midwest REM	17.02	Onyx Zion Landfill Zion, IL	
1132	IL10484710	2/25/2005	Midwest REM	16.95	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1133	IL10484711	2/25/2005	Midwest REM	18.02	Onyx Zion Landfill Zion, IL	
1134	IL10484712	2/25/2005	Midwest REM	17.94	Onyx Zion Landfill Zion, IL	
1135	IL10484713	2/25/2005	Midwest REM	18.05	Onyx Zion Landfill Zion, IL	
1136	IL10484714	2/25/2005	Midwest REM	18.45	Onyx Zion Landfill Zion, IL	
1137	IL10484715	2/25/2005	Midwest REM	17.00	Onyx Zion Landfill Zion, IL	
1138	IL10484716	2/25/2005	Midwest REM	17.26	Onyx Zion Landfill Zion, IL	
1139	IL10484717	2/25/2005	Midwest REM	19.72	Onyx Zion Landfill Zion, IL	
1140	IL10484718	2/25/2005	Midwest REM	19.36	Onyx Zion Landfill Zion, IL	
1141	IL10484719	2/25/2005	Midwest REM	19.80	Onyx Zion Landfill Zion, IL	
1142	IL10484720	2/25/2005	Midwest REM	17.41	Onyx Zion Landfill Zion, IL	
1143	IL10484721	2/25/2005	Midwest REM	16.85	Onyx Zion Landfill Zion, IL	
1144	IL10484722	2/25/2005	Midwest REM	19.48	Onyx Zion Landfill Zion, IL	
1145	IL10484723	2/25/2005	Midwest REM	16.95	Onyx Zion Landfill Zion, IL	
1146	IL10484724	2/25/2005	Midwest REM	16.37	Onyx Zion Landfill Zion, IL	
1147	IL10484725	2/25/2005	Midwest REM	20.17	Onyx Zion Landfill Zion, IL	
1148	IL10484726	2/25/2005	Midwest REM	20.10	Onyx Zion Landfill Zion, IL	
1149	IL10484727	2/25/2005	Midwest REM	18.92	Onyx Zion Landfill Zion, IL	
1150	IL10484728	2/25/2005	Midwest REM	16.91	Onyx Zion Landfill Zion, IL	
1151	IL10484729	2/25/2005	Midwest REM	21.65	Onyx Zion Landfill Zion, IL	
1152	IL10484730	2/25/2005	Midwest REM	20.89	Onyx Zion Landfill Zion, IL	
1153	IL10484731	2/25/2005	Midwest REM	19.65	Onyx Zion Landfill Zion, IL	
1154	IL10484732	2/25/2005	Midwest REM	19.75	Onyx Zion Landfill Zion, IL	
1155	IL10484733	2/25/2005	Midwest REM	17.34	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 2/25/05				1,549.51		

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
SUBTOTAL WEIGHT- FEBRUARY 2005				14,730.40		
1156	IL10484734	3/11/2005	Midwest REM	14.43	Onyx Zion Landfill Zion, IL	concrete and metal
1157	IL10484735	3/11/2005	Midwest REM	13.73	Onyx Zion Landfill Zion, IL	concrete and metal
1158	IL10484736	3/11/2005	Midwest REM	14.17	Onyx Zion Landfill Zion, IL	concrete and metal
1159	IL10484737	3/11/2005	Midwest REM	17.50	Onyx Zion Landfill Zion, IL	concrete and metal
1160	IL10484738	3/11/2005	Midwest REM	15.71	Onyx Zion Landfill Zion, IL	concrete and metal
1161	IL10484739	3/11/2005	Midwest REM	13.85	Onyx Zion Landfill Zion, IL	concrete and metal
1162	IL10484740	3/11/2005	Midwest REM	20.06	Onyx Zion Landfill Zion, IL	concrete and metal
1163	IL10484741	3/11/2005	Midwest REM	18.06	Onyx Zion Landfill Zion, IL	concrete and metal
1164	IL10484742	3/11/2005	Midwest REM	18.96	Onyx Zion Landfill Zion, IL	concrete and metal
1165	IL10484743	3/11/2005	Midwest REM	19.24	Onyx Zion Landfill Zion, IL	concrete and metal
1166	IL10484744	3/11/2005	Midwest REM	17.32	Onyx Zion Landfill Zion, IL	concrete and metal
1167	IL10484745	3/11/2005	Midwest REM	21.19	Onyx Zion Landfill Zion, IL	concrete and metal
1168	IL10484746	3/11/2005	Midwest REM	20.89	Onyx Zion Landfill Zion, IL	concrete and metal
1169	IL10484747	3/11/2005	Midwest REM	18.91	Onyx Zion Landfill Zion, IL	concrete and metal
1170	IL10484748	3/11/2005	Midwest REM	18.64	Onyx Zion Landfill Zion, IL	concrete and metal
1171	IL10484749	3/11/2005	Midwest REM	21.27	Onyx Zion Landfill Zion, IL	concrete and metal
1172	IL10484750	3/11/2005	Midwest REM	17.89	Onyx Zion Landfill Zion, IL	concrete and metal
1173	IL10484751	3/11/2005	Midwest REM	19.85	Onyx Zion Landfill Zion, IL	concrete and metal
1174	IL10484752	3/11/2005	Midwest REM	20.82	Onyx Zion Landfill Zion, IL	concrete and metal
1175	IL10484753	3/11/2005	Midwest REM	17.44	Onyx Zion Landfill Zion, IL	concrete and metal
1176	IL10484754	3/11/2005	Midwest REM	20.44	Onyx Zion Landfill Zion, IL	concrete and metal
1177	IL10484755	3/11/2005	Midwest REM	21.00	Onyx Zion Landfill Zion, IL	concrete and metal
1178	IL10484756	3/11/2005	Midwest REM	19.23	Onyx Zion Landfill Zion, IL	concrete and metal

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1179	IL10484757	3/11/2005	Midwest REM	20.80	Onyx Zion Landfill Zion, IL	concrete and metal
1180	IL10484758	3/11/2005	Midwest REM	20.96	Onyx Zion Landfill Zion, IL	concrete and metal
1181	IL10484759	3/11/2005	Midwest REM	20.27	Onyx Zion Landfill Zion, IL	concrete and metal
1182	IL10484760	3/11/2005	Midwest REM	22.00	Onyx Zion Landfill Zion, IL	concrete and metal
1183	IL10484761	3/11/2005	Midwest REM	17.58	Onyx Zion Landfill Zion, IL	concrete and metal
1184	IL10484762	3/11/2005	Midwest REM	20.78	Onyx Zion Landfill Zion, IL	concrete and metal
1185	IL10484570	3/11/2005	Midwest REM	21.93	Onyx Zion Landfill Zion, IL	concrete and metal
SUBTOTAL WEIGHT- 3/11/05				564.92		
1186	IL10484569	3/14/2005	Midwest REM	19.25	Onyx Zion Landfill Zion, IL	concrete and metal
1187	IL10484568	3/14/2005	Midwest REM	21.52	Onyx Zion Landfill Zion, IL	
1188	IL10484567	3/14/2005	Midwest REM	23.73	Onyx Zion Landfill Zion, IL	
1189	IL10484566	3/14/2005	Midwest REM	19.11	Onyx Zion Landfill Zion, IL	
1190	IL10484565	3/14/2005	Midwest REM	22.19	Onyx Zion Landfill Zion, IL	
1191	IL10484564	3/14/2005	Midwest REM	20.93	Onyx Zion Landfill Zion, IL	
1192	IL10484563	3/14/2005	Midwest REM	21.38	Onyx Zion Landfill Zion, IL	
1193	IL10484562	3/14/2005	Midwest REM	19.75	Onyx Zion Landfill Zion, IL	
1194	IL10484561	3/14/2005	Midwest REM	21.21	Onyx Zion Landfill Zion, IL	
1195	IL10484560	3/14/2005	Midwest REM	25.05	Onyx Zion Landfill Zion, IL	
1196	IL10484559	3/14/2005	Midwest REM	20.49	Onyx Zion Landfill Zion, IL	
1197	IL10484558	3/14/2005	Midwest REM	20.31	Onyx Zion Landfill Zion, IL	
1198	IL10484557	3/14/2005	Midwest REM	22.69	Onyx Zion Landfill Zion, IL	
1199	IL10484556	3/14/2005	Midwest REM	23.28	Onyx Zion Landfill Zion, IL	
1200	IL10484555	3/14/2005	Midwest REM	15.96	Onyx Zion Landfill Zion, IL	
1201	IL10484554	3/14/2005	Midwest REM	21.44	Onyx Zion Landfill Zion, IL	
1202	IL10484553	3/14/2005	Midwest REM	18.92	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1203	IL10484552	3/14/2005	Midwest REM	22.81	Onyx Zion Landfill Zion, IL	
1204	IL10484551	3/14/2005	Midwest REM	18.46	Onyx Zion Landfill Zion, IL	
1205	IL10484550	3/14/2005	Midwest REM	23.81	Onyx Zion Landfill Zion, IL	
1206	IL10484549	3/14/2005	Midwest REM	18.85	Onyx Zion Landfill Zion, IL	
1207	IL10484548	3/14/2005	Midwest REM	23.11	Onyx Zion Landfill Zion, IL	
1208	IL10484547	3/14/2005	Midwest REM	16.26	Onyx Zion Landfill Zion, IL	
1209	IL10484546	3/14/2005	Midwest REM	18.60	Onyx Zion Landfill Zion, IL	
1210	IL10484545	3/14/2005	Midwest REM	20.72	Onyx Zion Landfill Zion, IL	
1211	IL10484544	3/14/2005	Midwest REM	18.52	Onyx Zion Landfill Zion, IL	
1212	IL10484543	3/14/2005	Midwest REM	19.34	Onyx Zion Landfill Zion, IL	
1213	IL10484542	3/14/2005	Midwest REM	19.51	Onyx Zion Landfill Zion, IL	
1214	IL10484541	3/14/2005	Midwest REM	19.16	Onyx Zion Landfill Zion, IL	
1215	IL10484540	3/14/2005	Midwest REM	17.94	Onyx Zion Landfill Zion, IL	
1216	IL10484539	3/14/2005	Midwest REM	16.16	Onyx Zion Landfill Zion, IL	
1217	IL10484538	3/14/2005	Midwest REM	19.82	Onyx Zion Landfill Zion, IL	
1218	IL10484537	3/14/2005	Midwest REM	21.60	Onyx Zion Landfill Zion, IL	
1219	IL10484536	3/14/2005	Midwest REM	21.92	Onyx Zion Landfill Zion, IL	
1220	IL10484535	3/14/2005	Midwest REM	21.31	Onyx Zion Landfill Zion, IL	
1221	IL10484534	3/14/2005	Midwest REM	20.16	Onyx Zion Landfill Zion, IL	
1222	IL10484533	3/14/2005	Midwest REM	21.40	Onyx Zion Landfill Zion, IL	
1223	IL10484532	3/14/2005	Midwest REM	16.58	Onyx Zion Landfill Zion, IL	
1224	IL10484531	3/14/2005	Midwest REM	20.60	Onyx Zion Landfill Zion, IL	
1225	IL10484530	3/14/2005	Midwest REM	18.93	Onyx Zion Landfill Zion, IL	
1226	IL10484529	3/14/2005	Midwest REM	22.91	Onyx Zion Landfill Zion, IL	
1227	IL10484528	3/14/2005	Midwest REM	18.75	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>		<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1228	IL10484527	3/14/2005	Midwest REM		21.81	Onyx Zion Landfill Zion, IL	
1229	IL10484526	3/14/2005	Midwest REM		16.79	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 3/14/05	893.04		
1230	IL10484525	3/15/2005	Midwest REM		21.31	Onyx Zion Landfill Zion, IL	
1231	IL10484524	3/15/2005	Midwest REM		15.67	Onyx Zion Landfill Zion, IL	
1232	IL10484523	3/15/2005	Midwest REM		19.94	Onyx Zion Landfill Zion, IL	
1233	IL10484522	3/15/2005	Midwest REM		21.08	Onyx Zion Landfill Zion, IL	
1234	IL10484521	3/15/2005	Midwest REM		17.08	Onyx Zion Landfill Zion, IL	
1235	IL10484520	3/15/2005	Midwest REM		19.04	Onyx Zion Landfill Zion, IL	
1236	IL10484519	3/15/2005	Midwest REM		21.54	Onyx Zion Landfill Zion, IL	
1237	IL10484518	3/15/2005	Midwest REM		19.69	Onyx Zion Landfill Zion, IL	
1238	IL10484517	3/15/2005	Midwest REM		19.98	Onyx Zion Landfill Zion, IL	
1239	IL10484516	3/15/2005	Midwest REM		19.71	Onyx Zion Landfill Zion, IL	
1240	IL10484515	3/15/2005	Midwest REM		19.61	Onyx Zion Landfill Zion, IL	
1241	IL10484514	3/15/2005	Midwest REM		20.05	Onyx Zion Landfill Zion, IL	
1242	IL10484513	3/15/2005	Midwest REM		19.25	Onyx Zion Landfill Zion, IL	
1243	IL10484512	3/15/2005	Midwest REM		20.37	Onyx Zion Landfill Zion, IL	
1244	IL10484511	3/15/2005	Midwest REM		22.02	Onyx Zion Landfill Zion, IL	
1245	IL10484510	3/15/2005	Midwest REM		20.00	Onyx Zion Landfill Zion, IL	
1246	IL10484509	3/15/2005	Midwest REM		18.00	Onyx Zion Landfill Zion, IL	
1247	IL10483100	3/15/2005	Midwest REM		21.24	Onyx Zion Landfill Zion, IL	
1248	IL10483101	3/15/2005	Midwest REM		18.02	Onyx Zion Landfill Zion, IL	
1249	IL10483102	3/15/2005	Midwest REM		21.20	Onyx Zion Landfill Zion, IL	
1250	IL10483103	3/15/2005	Midwest REM		21.90	Onyx Zion Landfill Zion, IL	
1251	IL10483104	3/15/2005	Midwest REM		17.09	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
1252	IL10483105	3/15/2005	Midwest REM	22.21	Onyx Zion Landfill Zion, IL	
1253	IL10483106	3/15/2005	Midwest REM	18.54	Onyx Zion Landfill Zion, IL	
1254	IL10483107	3/15/2005	Midwest REM	22.31	Onyx Zion Landfill Zion, IL	
1255	IL10483108	3/15/2005	Midwest REM	19.28	Onyx Zion Landfill Zion, IL	
1256	IL10483109	3/15/2005	Midwest REM	20.69	Onyx Zion Landfill Zion, IL	
1257	IL10483110	3/15/2005	Midwest REM	18.63	Onyx Zion Landfill Zion, IL	
1258	IL10483111	3/15/2005	Midwest REM	21.42	Onyx Zion Landfill Zion, IL	
1259	IL10483112	3/15/2005	Midwest REM	19.69	Onyx Zion Landfill Zion, IL	
1260	IL10483113	3/15/2005	Midwest REM	24.14	Onyx Zion Landfill Zion, IL	
1261	IL10483114	3/15/2005	Midwest REM	22.22	Onyx Zion Landfill Zion, IL	
1262	IL10483115	3/15/2005	Midwest REM	20.31	Onyx Zion Landfill Zion, IL	
1263	IL10483116	3/15/2005	Midwest REM	20.46	Onyx Zion Landfill Zion, IL	
1264	IL10483117	3/15/2005	Midwest REM	21.41	Onyx Zion Landfill Zion, IL	
1265	IL10483118	3/15/2005	Midwest REM	18.18	Onyx Zion Landfill Zion, IL	
1266	IL10483119	3/15/2005	Midwest REM	22.04	Onyx Zion Landfill Zion, IL	
1267	IL10483120	3/15/2005	Midwest REM	22.91	Onyx Zion Landfill Zion, IL	
1268	IL10483121	3/15/2005	Midwest REM	22.94	Onyx Zion Landfill Zion, IL	
1269	IL10483122	3/15/2005	Midwest REM	24.41	Onyx Zion Landfill Zion, IL	
1270	IL10483123	3/15/2005	Midwest REM	19.17	Onyx Zion Landfill Zion, IL	
1271	IL10483124	3/15/2005	Midwest REM	24.10	Onyx Zion Landfill Zion, IL	
1272	IL10483125	3/15/2005	Midwest REM	22.51	Onyx Zion Landfill Zion, IL	
1273	IL10483126	3/15/2005	Midwest REM	19.53	Onyx Zion Landfill Zion, IL	
1274	IL10483127	3/15/2005	Midwest REM	20.62	Onyx Zion Landfill Zion, IL	
1275	IL10483128	3/15/2005	Midwest REM	20.04	Onyx Zion Landfill Zion, IL	
1276	IL10483129	3/15/2005	Midwest REM	21.06	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1277	IL10483130	3/15/2005	Midwest REM	22.18	Onyx Zion Landfill Zion, IL	
1278	IL10483131	3/15/2005	Midwest REM	20.29	Onyx Zion Landfill Zion, IL	
1279	IL10483132	3/15/2005	Midwest REM	20.78	Onyx Zion Landfill Zion, IL	
1280	IL10483133	3/15/2005	Midwest REM	23.74	Onyx Zion Landfill Zion, IL	
1281	IL10483134	3/15/2005	Midwest REM	20.07	Onyx Zion Landfill Zion, IL	
1282	IL10483135	3/15/2005	Midwest REM	21.96	Onyx Zion Landfill Zion, IL	
1283	IL10483136	3/15/2005	Midwest REM	21.16	Onyx Zion Landfill Zion, IL	
1284	IL10483137	3/15/2005	Midwest REM	22.86	Onyx Zion Landfill Zion, IL	
1285	IL10483138	3/15/2005	Midwest REM	22.60	Onyx Zion Landfill Zion, IL	
1286	IL10483139	3/15/2005	Midwest REM	22.60	Onyx Zion Landfill Zion, IL	
1287	IL10483140	3/15/2005	Midwest REM	22.98	Onyx Zion Landfill Zion, IL	
1288	IL10483141	3/15/2005	Midwest REM	21.03	Onyx Zion Landfill Zion, IL	
1289	IL10483142	3/15/2005	Midwest REM	19.56	Onyx Zion Landfill Zion, IL	
1290	IL10483143	3/15/2005	Midwest REM	22.03	Onyx Zion Landfill Zion, IL	
1291	IL10483144	3/15/2005	Midwest REM	16.29	Onyx Zion Landfill Zion, IL	
1292	IL10483145	3/15/2005	Midwest REM	19.14	Onyx Zion Landfill Zion, IL	
1293	IL10483146	3/15/2005	Midwest REM	16.36	Onyx Zion Landfill Zion, IL	
1294	IL10483147	3/15/2005	Midwest REM	23.72	Onyx Zion Landfill Zion, IL	
1295	IL10483148	3/15/2005	Midwest REM	18.32	Onyx Zion Landfill Zion, IL	
1296	IL10483149	3/15/2005	Midwest REM	21.80	Onyx Zion Landfill Zion, IL	
1297	IL10483150	3/15/2005	Midwest REM	17.66	Onyx Zion Landfill Zion, IL	
1298	IL10483151	3/15/2005	Midwest REM	21.35	Onyx Zion Landfill Zion, IL	
1299	IL10483152	3/15/2005	Midwest REM	20.97	Onyx Zion Landfill Zion, IL	
1300	IL10483153	3/15/2005	Midwest REM	17.38	Onyx Zion Landfill Zion, IL	
1301	IL10483154	3/15/2005	Midwest REM	21.83	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1302	IL10483155	3/15/2005	Midwest REM	16.75	Onyx Zion Landfill Zion, IL	
1303	IL10483156	3/15/2005	Midwest REM	15.18	Onyx Zion Landfill Zion, IL	
1304	IL10483157	3/15/2005	Midwest REM	16.79	Onyx Zion Landfill Zion, IL	
1305	IL10483158	3/15/2005	Midwest REM	14.63	Onyx Zion Landfill Zion, IL	
1306	IL10483159	3/15/2005	Midwest REM	22.19	Onyx Zion Landfill Zion, IL	
1307	IL10483160	3/15/2005	Midwest REM	23.80	Onyx Zion Landfill Zion, IL	
1308	IL10483161	3/15/2005	Midwest REM	23.27	Onyx Zion Landfill Zion, IL	
1309	IL10483162	3/15/2005	Midwest REM	20.47	Onyx Zion Landfill Zion, IL	
1310	IL10483163	3/15/2005	Midwest REM	14.26	Onyx Zion Landfill Zion, IL	
1311	IL10483164	3/15/2005	Midwest REM	26.50	Onyx Zion Landfill Zion, IL	
1312	IL10483165	3/15/2005	Midwest REM	16.39	Onyx Zion Landfill Zion, IL	
1313	IL10483166	3/15/2005	Midwest REM	16.68	Onyx Zion Landfill Zion, IL	
1314	IL10483167	3/15/2005	Midwest REM	14.28	Onyx Zion Landfill Zion, IL	
1315	IL10483168	3/15/2005	Midwest REM	14.90	Onyx Zion Landfill Zion, IL	
1316	IL10483169	3/15/2005	Midwest REM	16.46	Onyx Zion Landfill Zion, IL	
1317	IL10483170	3/15/2005	Midwest REM	14.34	Onyx Zion Landfill Zion, IL	
1318	IL10483171	3/15/2005	Midwest REM	15.36	Onyx Zion Landfill Zion, IL	
1319	IL10483172	3/15/2005	Midwest REM	16.98	Onyx Zion Landfill Zion, IL	
1320	IL10483173	3/15/2005	Midwest REM	18.35	Onyx Zion Landfill Zion, IL	
1321	IL10483174	3/15/2005	Midwest REM	15.80	Onyx Zion Landfill Zion, IL	
1322	IL10483175	3/15/2005	Midwest REM	18.82	Onyx Zion Landfill Zion, IL	
1323	IL10483176	3/15/2005	Midwest REM	18.20	Onyx Zion Landfill Zion, IL	
1324	IL10483177	3/15/2005	Midwest REM	22.07	Onyx Zion Landfill Zion, IL	
1325	IL10483178	3/15/2005	Midwest REM	21.83	Onyx Zion Landfill Zion, IL	
1326	IL10483179	3/15/2005	Midwest REM	18.00	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
1327	IL10483180	3/15/2005	Midwest REM	13.45	Onyx Zion Landfill Zion, IL	
1328	IL10483181	3/15/2005	Midwest REM	22.45	Onyx Zion Landfill Zion, IL	
1329	IL10483182	3/15/2005	Midwest REM	17.35	Onyx Zion Landfill Zion, IL	
1330	IL10483183	3/15/2005	Midwest REM	22.91	Onyx Zion Landfill Zion, IL	
1331	IL10483184	3/15/2005	Midwest REM	17.31	Onyx Zion Landfill Zion, IL	
1332	IL10483185	3/15/2005	Midwest REM	17.47	Onyx Zion Landfill Zion, IL	
1333	IL10483186	3/15/2005	Midwest REM	17.38	Onyx Zion Landfill Zion, IL	
1334	IL10483187	3/15/2005	Midwest REM	22.20	Onyx Zion Landfill Zion, IL	
1335	IL10483188	3/15/2005	Midwest REM	18.28	Onyx Zion Landfill Zion, IL	
1336	IL10483189	3/15/2005	Midwest REM	19.16	Onyx Zion Landfill Zion, IL	
1337	IL10483190	3/15/2005	Midwest REM	20.92	Onyx Zion Landfill Zion, IL	
1338	IL10483191	3/15/2005	Midwest REM	18.49	Onyx Zion Landfill Zion, IL	
1339	IL10483192	3/15/2005	Midwest REM	20.45	Onyx Zion Landfill Zion, IL	
1340	IL10483193	3/15/2005	Midwest REM	19.56	Onyx Zion Landfill Zion, IL	
1341	IL10483194	3/15/2005	Midwest REM	22.14	Onyx Zion Landfill Zion, IL	
1342	IL10483195	3/15/2005	Midwest REM	20.24	Onyx Zion Landfill Zion, IL	
1343	IL10483196	3/15/2005	Midwest REM	20.14	Onyx Zion Landfill Zion, IL	
1344	IL10483197	3/15/2005	Midwest REM	20.22	Onyx Zion Landfill Zion, IL	
1345	IL10483198	3/15/2005	Midwest REM	23.07	Onyx Zion Landfill Zion, IL	
1346	IL10483199	3/15/2005	Midwest REM	19.94	Onyx Zion Landfill Zion, IL	
1347	IL10483200	3/15/2005	Midwest REM	18.27	Onyx Zion Landfill Zion, IL	
1348	IL10483201	3/15/2005	Midwest REM	22.05	Onyx Zion Landfill Zion, IL	
1349	IL10483202	3/15/2005	Midwest REM	21.44	Onyx Zion Landfill Zion, IL	
1350	IL10483203	3/15/2005	Midwest REM	16.86	Onyx Zion Landfill Zion, IL	
1351	IL10483204	3/15/2005	Midwest REM	18.71	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>		<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1352	IL10483205	3/15/2005	Midwest REM		15.99	Onyx Zion Landfill Zion, IL	
1353	IL10483206	3/15/2005	Midwest REM		18.04	Onyx Zion Landfill Zion, IL	
1354	IL10483207	3/15/2005	Midwest REM		17.59	Onyx Zion Landfill Zion, IL	
1355	IL10483208	3/15/2005	Midwest REM		20.51	Onyx Zion Landfill Zion, IL	
1356	IL10483209	3/15/2005	Midwest REM		18.80	Onyx Zion Landfill Zion, IL	
1357	IL10483210	3/15/2005	Midwest REM		21.80	Onyx Zion Landfill Zion, IL	
1358	IL10483211	3/15/2005	Midwest REM		14.98	Onyx Zion Landfill Zion, IL	
1359	IL10483212	3/15/2005	Midwest REM		16.88	Onyx Zion Landfill Zion, IL	
1360	IL10483213	3/15/2005	Midwest REM		17.33	Onyx Zion Landfill Zion, IL	
1361	IL10483214	3/15/2005	Midwest REM		23.40	Onyx Zion Landfill Zion, IL	
1362	IL10483215	3/15/2005	Midwest REM		21.25	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 3/15/05	2,630.60		
1363	IL10483216	3/16/2005	Midwest REM		20.48	Onyx Zion Landfill Zion, IL	
1364	IL10483217	3/16/2005	Midwest REM		17.38	Onyx Zion Landfill Zion, IL	
1365	IL10483218	3/16/2005	Midwest REM		22.52	Onyx Zion Landfill Zion, IL	
1366	IL10483219	3/16/2005	Midwest REM		17.09	Onyx Zion Landfill Zion, IL	
1367	IL10483220	3/16/2005	Midwest REM		13.64	Onyx Zion Landfill Zion, IL	
1368	IL10483221	3/16/2005	Midwest REM		22.58	Onyx Zion Landfill Zion, IL	
1369	IL10483222	3/16/2005	Midwest REM		14.98	Onyx Zion Landfill Zion, IL	
1370	IL10483223	3/16/2005	Midwest REM		20.84	Onyx Zion Landfill Zion, IL	
1371	IL10483224	3/16/2005	Midwest REM		23.09	Onyx Zion Landfill Zion, IL	
1372	IL10483225	3/16/2005	Midwest REM		14.08	Onyx Zion Landfill Zion, IL	
1373	IL10483226	3/16/2005	Midwest REM		21.89	Onyx Zion Landfill Zion, IL	
1374	IL10483227	3/16/2005	Midwest REM		22.72	Onyx Zion Landfill Zion, IL	
1375	IL10483228	3/16/2005	Midwest REM		23.39	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1376	IL10483229	3/16/2005	Midwest REM	24.21	Onyx Zion Landfill Zion, IL	
1377	IL10483230	3/16/2005	Midwest REM	21.10	Onyx Zion Landfill Zion, IL	
1378	IL10483231	3/16/2005	Midwest REM	21.41	Onyx Zion Landfill Zion, IL	
1379	IL10483232	3/16/2005	Midwest REM	20.63	Onyx Zion Landfill Zion, IL	
1380	IL10483233	3/16/2005	Midwest REM	25.14	Onyx Zion Landfill Zion, IL	
1381	IL10483234	3/16/2005	Midwest REM	22.64	Onyx Zion Landfill Zion, IL	
1382	IL10483235	3/16/2005	Midwest REM	22.29	Onyx Zion Landfill Zion, IL	
1383	IL10483236	3/16/2005	Midwest REM	22.21	Onyx Zion Landfill Zion, IL	
1384	IL10483237	3/16/2005	Midwest REM	21.40	Onyx Zion Landfill Zion, IL	
1385	IL10483238	3/16/2005	Midwest REM	22.65	Onyx Zion Landfill Zion, IL	
1386	IL10483239	3/16/2005	Midwest REM	19.30	Onyx Zion Landfill Zion, IL	
1387	IL10483240	3/16/2005	Midwest REM	19.41	Onyx Zion Landfill Zion, IL	
1388	IL10483241	3/16/2005	Midwest REM	20.42	Onyx Zion Landfill Zion, IL	
1389	IL10483242	3/16/2005	Midwest REM	20.16	Onyx Zion Landfill Zion, IL	
1390	IL10483243	3/16/2005	Midwest REM	21.37	Onyx Zion Landfill Zion, IL	
1391	IL10483244	3/16/2005	Midwest REM	20.90	Onyx Zion Landfill Zion, IL	
1392	IL10483245	3/16/2005	Midwest REM	21.66	Onyx Zion Landfill Zion, IL	
1393	IL10483246	3/16/2005	Midwest REM	19.21	Onyx Zion Landfill Zion, IL	
1394	IL10483247	3/16/2005	Midwest REM	17.60	Onyx Zion Landfill Zion, IL	
1395	IL10483248	3/16/2005	Midwest REM	19.39	Onyx Zion Landfill Zion, IL	
1396	IL10483249	3/16/2005	Midwest REM	19.42	Onyx Zion Landfill Zion, IL	
1397	IL10483250	3/16/2005	Midwest REM	18.81	Onyx Zion Landfill Zion, IL	
1398	IL10483251	3/16/2005	Midwest REM	19.48	Onyx Zion Landfill Zion, IL	
1399	IL10483252	3/16/2005	Midwest REM	19.77	Onyx Zion Landfill Zion, IL	
1400	IL10483253	3/16/2005	Midwest REM	19.31	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1401	IL10483254	3/16/2005	Midwest REM	18.85	Onyx Zion Landfill Zion, IL	
1402	IL10483255	3/16/2005	Midwest REM	18.73	Onyx Zion Landfill Zion, IL	
1403	IL10483256	3/16/2005	Midwest REM	18.10	Onyx Zion Landfill Zion, IL	
1404	IL10483257	3/16/2005	Midwest REM	19.08	Onyx Zion Landfill Zion, IL	
1405	IL10483258	3/16/2005	Midwest REM	20.91	Onyx Zion Landfill Zion, IL	
1406	IL10483259	3/16/2005	Midwest REM	19.16	Onyx Zion Landfill Zion, IL	
1407	IL10483260	3/16/2005	Midwest REM	20.30	Onyx Zion Landfill Zion, IL	
1408	IL10483261	3/16/2005	Midwest REM	19.31	Onyx Zion Landfill Zion, IL	
1409	IL10483262	3/16/2005	Midwest REM	19.19	Onyx Zion Landfill Zion, IL	
1410	IL10483263	3/16/2005	Midwest REM	19.19	Onyx Zion Landfill Zion, IL	
1411	IL10483264	3/16/2005	Midwest REM	18.44	Onyx Zion Landfill Zion, IL	
1412	IL10483265	3/16/2005	Midwest REM	17.22	Onyx Zion Landfill Zion, IL	
1413	IL10483266	3/16/2005	Midwest REM	17.75	Onyx Zion Landfill Zion, IL	
1414	IL10483267	3/16/2005	Midwest REM	16.48	Onyx Zion Landfill Zion, IL	
1415	IL10483268	3/16/2005	Midwest REM	19.45	Onyx Zion Landfill Zion, IL	
1416	IL10483269	3/16/2005	Midwest REM	17.67	Onyx Zion Landfill Zion, IL	
1417	IL10483270	3/16/2005	Midwest REM	22.17	Onyx Zion Landfill Zion, IL	
1418	IL10483271	3/16/2005	Midwest REM	17.77	Onyx Zion Landfill Zion, IL	
1419	IL10483272	3/16/2005	Midwest REM	20.45	Onyx Zion Landfill Zion, IL	
1420	IL10483273	3/16/2005	Midwest REM	19.98	Onyx Zion Landfill Zion, IL	
1421	IL10483274	3/16/2005	Midwest REM	18.04	Onyx Zion Landfill Zion, IL	
1422	IL10483275	3/16/2005	Midwest REM	19.17	Onyx Zion Landfill Zion, IL	
1423	IL10483276	3/16/2005	Midwest REM	18.68	Onyx Zion Landfill Zion, IL	
1424	IL10483277	3/16/2005	Midwest REM	19.07	Onyx Zion Landfill Zion, IL	
1425	IL10483278	3/16/2005	Midwest REM	18.13	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1426	IL10483279	3/16/2005	Midwest REM	19.49	Onyx Zion Landfill Zion, IL	
1427	IL10483280	3/16/2005	Midwest REM	18.25	Onyx Zion Landfill Zion, IL	
1428	IL10483281	3/16/2005	Midwest REM	18.40	Onyx Zion Landfill Zion, IL	
1429	IL10483282	3/16/2005	Midwest REM	19.23	Onyx Zion Landfill Zion, IL	
1430	IL10483283	3/16/2005	Midwest REM	19.81	Onyx Zion Landfill Zion, IL	
1431	IL10483284	3/16/2005	Midwest REM	20.20	Onyx Zion Landfill Zion, IL	
1432	IL10483285	3/16/2005	Midwest REM	20.37	Onyx Zion Landfill Zion, IL	
1433	IL10483286	3/16/2005	Midwest REM	19.81	Onyx Zion Landfill Zion, IL	
1434	IL10483287	3/16/2005	Midwest REM	20.51	Onyx Zion Landfill Zion, IL	
1435	IL10483288	3/16/2005	Midwest REM	18.66	Onyx Zion Landfill Zion, IL	
1436	IL10483289	3/16/2005	Midwest REM	20.08	Onyx Zion Landfill Zion, IL	
1437	IL10483290	3/16/2005	Midwest REM	20.34	Onyx Zion Landfill Zion, IL	
1438	IL10483291	3/16/2005	Midwest REM	18.84	Onyx Zion Landfill Zion, IL	
1439	IL10483292	3/16/2005	Midwest REM	18.41	Onyx Zion Landfill Zion, IL	
1440	IL10483293	3/16/2005	Midwest REM	19.87	Onyx Zion Landfill Zion, IL	
1441	IL10483294	3/16/2005	Midwest REM	20.39	Onyx Zion Landfill Zion, IL	
1442	IL10483295	3/16/2005	Midwest REM	21.33	Onyx Zion Landfill Zion, IL	
1443	IL10483296	3/16/2005	Midwest REM	20.38	Onyx Zion Landfill Zion, IL	
1444	IL10483297	3/16/2005	Midwest REM	20.03	Onyx Zion Landfill Zion, IL	
1445	IL10483298	3/16/2005	Midwest REM	21.66	Onyx Zion Landfill Zion, IL	
1446	IL10483299	3/16/2005	Midwest REM	22.62	Onyx Zion Landfill Zion, IL	
1447	IL10483300	3/16/2005	Midwest REM	17.69	Onyx Zion Landfill Zion, IL	
1448	IL10483301	3/16/2005	Midwest REM	20.54	Onyx Zion Landfill Zion, IL	
1449	IL10483302	3/16/2005	Midwest REM	20.11	Onyx Zion Landfill Zion, IL	
1450	IL10483303	3/16/2005	Midwest REM	21.28	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>		<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1451	IL10483304	3/16/2005	Midwest REM		18.46	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 3/16/05	1,764.62		
1452	IL10483305	3/17/2005	Midwest REM		20.83	Onyx Zion Landfill Zion, IL	
1453	IL10483306	3/17/2005	Midwest REM		18.09	Onyx Zion Landfill Zion, IL	
1454	IL10483307	3/17/2005	Midwest REM		19.91	Onyx Zion Landfill Zion, IL	
1455	IL10483308	3/17/2005	Midwest REM		17.66	Onyx Zion Landfill Zion, IL	
1456	IL10483309	3/17/2005	Midwest REM		15.74	Onyx Zion Landfill Zion, IL	
1457	IL10483310	3/17/2005	Midwest REM		16.70	Onyx Zion Landfill Zion, IL	
1458	IL10483311	3/17/2005	Midwest REM		19.99	Onyx Zion Landfill Zion, IL	
1459	IL10483312	3/17/2005	Midwest REM		19.34	Onyx Zion Landfill Zion, IL	
1460	IL10483313	3/17/2005	Midwest REM		17.11	Onyx Zion Landfill Zion, IL	
1461	IL10483314	3/17/2005	Midwest REM		19.68	Onyx Zion Landfill Zion, IL	
1462	IL10483315	3/17/2005	Midwest REM		21.17	Onyx Zion Landfill Zion, IL	
1463	IL10483316	3/17/2005	Midwest REM		20.68	Onyx Zion Landfill Zion, IL	
1464	IL10483317	3/17/2005	Midwest REM		21.08	Onyx Zion Landfill Zion, IL	
1465	IL10483318	3/17/2005	Midwest REM		20.88	Onyx Zion Landfill Zion, IL	
1466	IL10483319	3/17/2005	Midwest REM		22.42	Onyx Zion Landfill Zion, IL	
1467	IL10483320	3/17/2005	Midwest REM		19.18	Onyx Zion Landfill Zion, IL	
1468	IL10483321	3/17/2005	Midwest REM		22.03	Onyx Zion Landfill Zion, IL	
1469	IL10483322	3/17/2005	Midwest REM		24.19	Onyx Zion Landfill Zion, IL	
1470	IL10483323	3/17/2005	Midwest REM		20.05	Onyx Zion Landfill Zion, IL	
1471	IL10483324	3/17/2005	Midwest REM		19.92	Onyx Zion Landfill Zion, IL	
1472	IL10483325	3/17/2005	Midwest REM		21.46	Onyx Zion Landfill Zion, IL	
1473	IL10483326	3/17/2005	Midwest REM		21.85	Onyx Zion Landfill Zion, IL	
1474	IL10483327	3/17/2005	Midwest REM		19.02	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1475	IL10483328	3/17/2005	Midwest REM	19.09	Onyx Zion Landfill Zion, IL	
1476	IL10483329	3/17/2005	Midwest REM	21.70	Onyx Zion Landfill Zion, IL	
1477	IL10483330	3/17/2005	Midwest REM	21.02	Onyx Zion Landfill Zion, IL	
1478	IL10483331	3/17/2005	Midwest REM	23.29	Onyx Zion Landfill Zion, IL	
1479	IL10483332	3/17/2005	Midwest REM	13.46	Onyx Zion Landfill Zion, IL	
1480	IL10483333	3/17/2005	Midwest REM	19.32	Onyx Zion Landfill Zion, IL	
1481	IL10483334	3/17/2005	Midwest REM	14.85	Onyx Zion Landfill Zion, IL	
1482	IL10483335	3/17/2005	Midwest REM	17.29	Onyx Zion Landfill Zion, IL	
1483	IL10483336	3/17/2005	Midwest REM	19.03	Onyx Zion Landfill Zion, IL	
1484	IL10483337	3/17/2005	Midwest REM	19.56	Onyx Zion Landfill Zion, IL	
1485	IL10483338	3/17/2005	Midwest REM	20.12	Onyx Zion Landfill Zion, IL	
1486	IL10483339	3/17/2005	Midwest REM	21.54	Onyx Zion Landfill Zion, IL	
1487	IL10483340	3/17/2005	Midwest REM	19.63	Onyx Zion Landfill Zion, IL	
1488	IL10483341	3/17/2005	Midwest REM	20.02	Onyx Zion Landfill Zion, IL	
1489	IL10483342	3/17/2005	Midwest REM	20.16	Onyx Zion Landfill Zion, IL	
1490	IL10483343	3/17/2005	Midwest REM	18.61	Onyx Zion Landfill Zion, IL	
1491	IL10483344	3/17/2005	Midwest REM	19.08	Onyx Zion Landfill Zion, IL	
1492	IL10483345	3/17/2005	Midwest REM	20.29	Onyx Zion Landfill Zion, IL	
1493	IL10483346	3/17/2005	Midwest REM	20.18	Onyx Zion Landfill Zion, IL	
1494	IL10483347	3/17/2005	Midwest REM	19.53	Onyx Zion Landfill Zion, IL	
1495	IL10483348	3/17/2005	Midwest REM	19.71	Onyx Zion Landfill Zion, IL	
1496	IL10483349	3/17/2005	Midwest REM	18.85	Onyx Zion Landfill Zion, IL	
1497	IL10483350	3/17/2005	Midwest REM	18.19	Onyx Zion Landfill Zion, IL	
1498	IL10483351	3/17/2005	Midwest REM	16.17	Onyx Zion Landfill Zion, IL	
1499	IL10483352	3/17/2005	Midwest REM	17.87	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1500	IL10483353	3/17/2005	Midwest REM	17.49	Onyx Zion Landfill Zion, IL	
1501	IL10483354	3/17/2005	Midwest REM	18.25	Onyx Zion Landfill Zion, IL	
1502	IL10483355	3/17/2005	Midwest REM	17.30	Onyx Zion Landfill Zion, IL	
1503	IL10483356	3/17/2005	Midwest REM	19.17	Onyx Zion Landfill Zion, IL	
1504	IL10483357	3/17/2005	Midwest REM	19.28	Onyx Zion Landfill Zion, IL	
1505	IL10483358	3/17/2005	Midwest REM	19.25	Onyx Zion Landfill Zion, IL	
1506	IL10483359	3/17/2005	Midwest REM	19.92	Onyx Zion Landfill Zion, IL	
1507	IL10483360	3/17/2005	Midwest REM	19.29	Onyx Zion Landfill Zion, IL	
1508	IL10483361	3/17/2005	Midwest REM	19.83	Onyx Zion Landfill Zion, IL	
1509	IL10483362	3/17/2005	Midwest REM	19.27	Onyx Zion Landfill Zion, IL	
1510	IL10483363	3/17/2005	Midwest REM	20.96	Onyx Zion Landfill Zion, IL	
1511	IL10483364	3/17/2005	Midwest REM	19.30	Onyx Zion Landfill Zion, IL	
1512	IL10483365	3/17/2005	Midwest REM	15.64	Onyx Zion Landfill Zion, IL	
1513	IL10483366	3/17/2005	Midwest REM	18.19	Onyx Zion Landfill Zion, IL	
1514	IL10483367	3/17/2005	Midwest REM	16.66	Onyx Zion Landfill Zion, IL	
1515	IL10483368	3/17/2005	Midwest REM	18.76	Onyx Zion Landfill Zion, IL	
1516	IL10483369	3/17/2005	Midwest REM	18.90	Onyx Zion Landfill Zion, IL	
1517	IL10483370	3/17/2005	Midwest REM	19.71	Onyx Zion Landfill Zion, IL	
1518	IL10483371	3/17/2005	Midwest REM	19.79	Onyx Zion Landfill Zion, IL	
1519	IL10483372	3/17/2005	Midwest REM	19.60	Onyx Zion Landfill Zion, IL	
1520	IL10483373	3/17/2005	Midwest REM	19.85	Onyx Zion Landfill Zion, IL	
1521	IL10483374	3/17/2005	Midwest REM	19.45	Onyx Zion Landfill Zion, IL	
1522	IL10483375	3/17/2005	Midwest REM	19.14	Onyx Zion Landfill Zion, IL	
1523	IL10483376	3/17/2005	Midwest REM	18.04	Onyx Zion Landfill Zion, IL	
1524	IL10483377	3/17/2005	Midwest REM	20.27	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1525	IL10483378	3/17/2005	Midwest REM	19.00	Onyx Zion Landfill Zion, IL	
1526	IL10483379	3/17/2005	Midwest REM	21.99	Onyx Zion Landfill Zion, IL	
1527	IL10483380	3/17/2005	Midwest REM	19.44	Onyx Zion Landfill Zion, IL	
1528	IL10483381	3/17/2005	Midwest REM	20.46	Onyx Zion Landfill Zion, IL	
1529	IL10483382	3/17/2005	Midwest REM	19.79	Onyx Zion Landfill Zion, IL	
1530	IL10483383	3/17/2005	Midwest REM	17.44	Onyx Zion Landfill Zion, IL	
1531	IL10483384	3/17/2005	Midwest REM	19.48	Onyx Zion Landfill Zion, IL	
1532	IL10483385	3/17/2005	Midwest REM	19.14	Onyx Zion Landfill Zion, IL	
1533	IL10483386	3/17/2005	Midwest REM	18.79	Onyx Zion Landfill Zion, IL	
1534	IL10483387	3/17/2005	Midwest REM	20.16	Onyx Zion Landfill Zion, IL	
1535	IL10483388	3/17/2005	Midwest REM	20.30	Onyx Zion Landfill Zion, IL	
1536	IL10483389	3/17/2005	Midwest REM	20.28	Onyx Zion Landfill Zion, IL	
1537	IL10483390	3/17/2005	Midwest REM	20.05	Onyx Zion Landfill Zion, IL	
1538	IL10483391	3/17/2005	Midwest REM	21.11	Onyx Zion Landfill Zion, IL	
1539	IL10483392	3/17/2005	Midwest REM	18.32	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 3/17/05				1,706.60		
1540	IL10483393	3/18/2005	Midwest REM	21.01	Onyx Zion Landfill Zion, IL	
1541	IL10483394	3/18/2005	Midwest REM	21.74	Onyx Zion Landfill Zion, IL	
1542	IL10483395	3/18/2005	Midwest REM	20.02	Onyx Zion Landfill Zion, IL	
1543	IL10483396	3/18/2005	Midwest REM	19.71	Onyx Zion Landfill Zion, IL	
1544	IL10483397	3/18/2005	Midwest REM	20.62	Onyx Zion Landfill Zion, IL	
1545	IL10483398	3/18/2005	Midwest REM	21.57	Onyx Zion Landfill Zion, IL	
1546	IL10483399	3/18/2005	Midwest REM	20.41	Onyx Zion Landfill Zion, IL	
1547	IL10483400	3/18/2005	Midwest REM	20.10	Onyx Zion Landfill Zion, IL	
1548	IL10483401	3/18/2005	Midwest REM	19.42	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1549	IL10483402	3/18/2005	Midwest REM	21.10	Onyx Zion Landfill Zion, IL	
1550	IL10483403	3/18/2005	Midwest REM	20.08	Onyx Zion Landfill Zion, IL	
1551	IL10483404	3/18/2005	Midwest REM	21.24	Onyx Zion Landfill Zion, IL	
1552	IL10483405	3/18/2005	Midwest REM	21.14	Onyx Zion Landfill Zion, IL	
1553	IL10483406	3/18/2005	Midwest REM	26.85	Onyx Zion Landfill Zion, IL	
1554	IL10483407	3/18/2005	Midwest REM	20.26	Onyx Zion Landfill Zion, IL	
1555	IL10483408	3/18/2005	Midwest REM	23.82	Onyx Zion Landfill Zion, IL	
1556	IL10483409	3/18/2005	Midwest REM	22.75	Onyx Zion Landfill Zion, IL	
1557	IL10483410	3/18/2005	Midwest REM	19.69	Onyx Zion Landfill Zion, IL	
1558	IL10483411	3/18/2005	Midwest REM	18.90	Onyx Zion Landfill Zion, IL	
1559	IL10483412	3/18/2005	Midwest REM	19.60	Onyx Zion Landfill Zion, IL	
1560	IL10483413	3/18/2005	Midwest REM	19.78	Onyx Zion Landfill Zion, IL	
1561	IL10483414	3/18/2005	Midwest REM	19.38	Onyx Zion Landfill Zion, IL	
1562	IL10483415	3/18/2005	Midwest REM	21.07	Onyx Zion Landfill Zion, IL	
1563	IL10483416	3/18/2005	Midwest REM	19.98	Onyx Zion Landfill Zion, IL	
1564	IL10483417	3/18/2005	Midwest REM	19.38	Onyx Zion Landfill Zion, IL	
1565	IL10483418	3/18/2005	Midwest REM	19.71	Onyx Zion Landfill Zion, IL	
1566	IL10483419	3/18/2005	Midwest REM	17.41	Onyx Zion Landfill Zion, IL	
1567	IL10483420	3/18/2005	Midwest REM	18.54	Onyx Zion Landfill Zion, IL	
1568	IL10483421	3/18/2005	Midwest REM	21.68	Onyx Zion Landfill Zion, IL	
1569	IL10483422	3/18/2005	Midwest REM	20.84	Onyx Zion Landfill Zion, IL	
1570	IL10483423	3/18/2005	Midwest REM	20.24	Onyx Zion Landfill Zion, IL	
1571	IL10483424	3/18/2005	Midwest REM	21.17	Onyx Zion Landfill Zion, IL	
1572	IL10483425	3/18/2005	Midwest REM	14.63	Onyx Zion Landfill Zion, IL	
1573	IL10483426	3/18/2005	Midwest REM	18.83	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1574	IL10483427	3/18/2005	Midwest REM	18.23	Onyx Zion Landfill Zion, IL	
1575	IL10483428	3/18/2005	Midwest REM	21.11	Onyx Zion Landfill Zion, IL	
1576	IL10483429	3/18/2005	Midwest REM	18.51	Onyx Zion Landfill Zion, IL	
1577	IL10483430	3/18/2005	Midwest REM	18.24	Onyx Zion Landfill Zion, IL	
1578	IL10483431	3/18/2005	Midwest REM	19.69	Onyx Zion Landfill Zion, IL	
1579	IL10483432	3/18/2005	Midwest REM	20.64	Onyx Zion Landfill Zion, IL	
1580	IL10483433	3/18/2005	Midwest REM	20.83	Onyx Zion Landfill Zion, IL	
1581	IL10483434	3/18/2005	Midwest REM	20.72	Onyx Zion Landfill Zion, IL	
1582	IL10483435	3/18/2005	Midwest REM	21.32	Onyx Zion Landfill Zion, IL	
1583	IL10483436	3/18/2005	Midwest REM	19.69	Onyx Zion Landfill Zion, IL	
1584	IL10483437	3/18/2005	Midwest REM	21.13	Onyx Zion Landfill Zion, IL	
1585	IL10483438	3/18/2005	Midwest REM	21.61	Onyx Zion Landfill Zion, IL	
1586	IL10483439	3/18/2005	Midwest REM	21.01	Onyx Zion Landfill Zion, IL	
1587	IL10483440	3/18/2005	Midwest REM	19.90	Onyx Zion Landfill Zion, IL	
1588	IL10483441	3/18/2005	Midwest REM	19.67	Onyx Zion Landfill Zion, IL	
1589	IL10483442	3/18/2005	Midwest REM	17.17	Onyx Zion Landfill Zion, IL	
1590	IL10483443	3/18/2005	Midwest REM	17.05	Onyx Zion Landfill Zion, IL	
1591	IL10483444	3/18/2005	Midwest REM	16.46	Onyx Zion Landfill Zion, IL	
1592	IL10483445	3/18/2005	Midwest REM	17.50	Onyx Zion Landfill Zion, IL	
1593	IL10483446	3/18/2005	Midwest REM	18.31	Onyx Zion Landfill Zion, IL	
1594	IL10483447	3/18/2005	Midwest REM	21.09	Onyx Zion Landfill Zion, IL	
1596	IL10483448	3/18/2005	Midwest REM	17.08	Onyx Zion Landfill Zion, IL	
1597	IL10483449	3/18/2005	Midwest REM	18.27	Onyx Zion Landfill Zion, IL	
1598	IL10483450	3/18/2005	Midwest REM	21.44	Onyx Zion Landfill Zion, IL	
1599	IL10483451	3/18/2005	Midwest REM	20.73	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
1600	IL10483452	3/18/2005	Midwest REM	18.38	Onyx Zion Landfill Zion, IL	
1601	IL10483453	3/18/2005	Midwest REM	19.49	Onyx Zion Landfill Zion, IL	
1602	IL10483454	3/18/2005	Midwest REM	19.63	Onyx Zion Landfill Zion, IL	
1603	IL10483455	3/18/2005	Midwest REM	16.65	Onyx Zion Landfill Zion, IL	
1604	IL10483456	3/18/2005	Midwest REM	18.87	Onyx Zion Landfill Zion, IL	
1605	IL10483457	3/18/2005	Midwest REM	19.54	Onyx Zion Landfill Zion, IL	
1606	IL10483458	3/18/2005	Midwest REM	18.28	Onyx Zion Landfill Zion, IL	
1607	IL10483459	3/18/2005	Midwest REM	18.90	Onyx Zion Landfill Zion, IL	
1608	IL10483460	3/18/2005	Midwest REM	19.14	Onyx Zion Landfill Zion, IL	
1609	IL10483461	3/18/2005	Midwest REM	19.60	Onyx Zion Landfill Zion, IL	
1610	IL10483462	3/18/2005	Midwest REM	18.60	Onyx Zion Landfill Zion, IL	
1611	IL10483463	3/18/2005	Midwest REM	20.69	Onyx Zion Landfill Zion, IL	
1612	IL10483464	3/18/2005	Midwest REM	19.58	Onyx Zion Landfill Zion, IL	
1613	IL10483465	3/18/2005	Midwest REM	19.37	Onyx Zion Landfill Zion, IL	
1614	IL10483466	3/18/2005	Midwest REM	21.38	Onyx Zion Landfill Zion, IL	
1615	IL10483467	3/18/2005	Midwest REM	21.21	Onyx Zion Landfill Zion, IL	
1616	IL10483468	3/18/2005	Midwest REM	20.53	Onyx Zion Landfill Zion, IL	
1617	IL10483469	3/18/2005	Midwest REM	17.58	Onyx Zion Landfill Zion, IL	
1618	IL10483470	3/18/2005	Midwest REM	17.63	Onyx Zion Landfill Zion, IL	
1619	IL10483471	3/18/2005	Midwest REM	19.49	Onyx Zion Landfill Zion, IL	
1620	IL10483472	3/18/2005	Midwest REM	20.59	Onyx Zion Landfill Zion, IL	
1621	IL10483473	3/18/2005	Midwest REM	20.76	Onyx Zion Landfill Zion, IL	
1622	IL10483474	3/18/2005	Midwest REM	21.20	Onyx Zion Landfill Zion, IL	
1623	IL10483475	3/18/2005	Midwest REM	19.71	Onyx Zion Landfill Zion, IL	
1624	IL10483476	3/18/2005	Midwest REM	18.94	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1625	IL10483477	3/18/2005	Midwest REM	20.16	Onyx Zion Landfill Zion, IL	
1626	IL10483478	3/18/2005	Midwest REM	20.97	Onyx Zion Landfill Zion, IL	
1627	IL10483479	3/18/2005	Midwest REM	21.12	Onyx Zion Landfill Zion, IL	
1628	IL10483480	3/18/2005	Midwest REM	18.02	Onyx Zion Landfill Zion, IL	
1629	IL10483481	3/18/2005	Midwest REM	18.20	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 3/18/05				1,764.28		
1630	IL10483482	3/21/2005	Midwest REM	18.35	Onyx Zion Landfill Zion, IL	
1631	IL10483483	3/21/2005	Midwest REM	17.57	Onyx Zion Landfill Zion, IL	
1632	IL10483484	3/21/2005	Midwest REM	18.14	Onyx Zion Landfill Zion, IL	
1633	IL10483485	3/21/2005	Midwest REM	17.26	Onyx Zion Landfill Zion, IL	
1634	IL10483486	3/21/2005	Midwest REM	18.44	Onyx Zion Landfill Zion, IL	
1635	IL10483487	3/21/2005	Midwest REM	19.42	Onyx Zion Landfill Zion, IL	
1636	IL10483488	3/21/2005	Midwest REM	19.33	Onyx Zion Landfill Zion, IL	
1637	IL10483489	3/21/2005	Midwest REM	18.50	Onyx Zion Landfill Zion, IL	
1638	IL10483490	3/21/2005	Midwest REM	18.83	Onyx Zion Landfill Zion, IL	
1639	IL10483491	3/21/2005	Midwest REM	19.63	Onyx Zion Landfill Zion, IL	
1640	IL10483492	3/21/2005	Midwest REM	18.99	Onyx Zion Landfill Zion, IL	
1641	IL10483493	3/21/2005	Midwest REM	18.08	Onyx Zion Landfill Zion, IL	
1642	IL10483494	3/21/2005	Midwest REM	19.74	Onyx Zion Landfill Zion, IL	
1643	IL10483495	3/21/2005	Midwest REM	18.50	Onyx Zion Landfill Zion, IL	
1644	IL10483496	3/21/2005	Midwest REM	15.46	Onyx Zion Landfill Zion, IL	
1645	IL10483497	3/21/2005	Midwest REM	16.79	Onyx Zion Landfill Zion, IL	
1646	IL10483498	3/21/2005	Midwest REM	16.01	Onyx Zion Landfill Zion, IL	
1647	IL10483499	3/21/2005	Midwest REM	17.80	Onyx Zion Landfill Zion, IL	
1648	IL10483500	3/21/2005	Midwest REM	17.11	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1649	IL10483001	3/21/2005	Midwest REM	17.82	Onyx Zion Landfill Zion, IL	
1650	IL10483002	3/21/2005	Midwest REM	16.65	Onyx Zion Landfill Zion, IL	
1651	IL10483003	3/21/2005	Midwest REM	17.68	Onyx Zion Landfill Zion, IL	
1652	IL10483004	3/21/2005	Midwest REM	19.90	Onyx Zion Landfill Zion, IL	
1653	IL10483005	3/21/2005	Midwest REM	20.99	Onyx Zion Landfill Zion, IL	
1654	IL10483006	3/21/2005	Midwest REM	19.53	Onyx Zion Landfill Zion, IL	
1655	IL10483007	3/21/2005	Midwest REM	19.65	Onyx Zion Landfill Zion, IL	
1656	IL10483008	3/21/2005	Midwest REM	18.49	Onyx Zion Landfill Zion, IL	
1657	IL10483009	3/21/2005	Midwest REM	16.75	Onyx Zion Landfill Zion, IL	
1658	IL10483010	3/21/2005	Midwest REM	18.28	Onyx Zion Landfill Zion, IL	
1659	IL10483011	3/21/2005	Midwest REM	18.06	Onyx Zion Landfill Zion, IL	
1660	IL10483012	3/21/2005	Midwest REM	15.55	Onyx Zion Landfill Zion, IL	
1661	IL10483013	3/21/2005	Midwest REM	17.74	Onyx Zion Landfill Zion, IL	
1662	IL10483014	3/21/2005	Midwest REM	17.59	Onyx Zion Landfill Zion, IL	
1663	IL10483015	3/21/2005	Midwest REM	15.45	Onyx Zion Landfill Zion, IL	
1664	IL10483016	3/21/2005	Midwest REM	17.93	Onyx Zion Landfill Zion, IL	
1665	IL10483017	3/21/2005	Midwest REM	18.71	Onyx Zion Landfill Zion, IL	
1666	IL10483018	3/21/2005	Midwest REM	18.38	Onyx Zion Landfill Zion, IL	
1667	IL10483019	3/21/2005	Midwest REM	19.41	Onyx Zion Landfill Zion, IL	
1668	IL10483020	3/21/2005	Midwest REM	21.17	Onyx Zion Landfill Zion, IL	
1669	IL10483021	3/21/2005	Midwest REM	18.10	Onyx Zion Landfill Zion, IL	
1670	IL10483022	3/21/2005	Midwest REM	20.05	Onyx Zion Landfill Zion, IL	
1671	IL10483023	3/21/2005	Midwest REM	18.73	Onyx Zion Landfill Zion, IL	
1672	IL10483024	3/21/2005	Midwest REM	19.15	Onyx Zion Landfill Zion, IL	
1673	IL10483025	3/21/2005	Midwest REM	19.33	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1674	IL10483026	3/21/2005	Midwest REM	17.03	Onyx Zion Landfill Zion, IL	
1675	IL10483027	3/21/2005	Midwest REM	18.91	Onyx Zion Landfill Zion, IL	
1676	IL10483028	3/21/2005	Midwest REM	18.94	Onyx Zion Landfill Zion, IL	
1677	IL10483029	3/21/2005	Midwest REM	17.76	Onyx Zion Landfill Zion, IL	
1678	IL10483030	3/21/2005	Midwest REM	18.62	Onyx Zion Landfill Zion, IL	
1679	IL10483031	3/21/2005	Midwest REM	19.67	Onyx Zion Landfill Zion, IL	
1680	IL10483032	3/21/2005	Midwest REM	17.12	Onyx Zion Landfill Zion, IL	
1681	IL10483033	3/21/2005	Midwest REM	18.78	Onyx Zion Landfill Zion, IL	
1682	IL10483034	3/21/2005	Midwest REM	19.66	Onyx Zion Landfill Zion, IL	
1683	IL10483035	3/21/2005	Midwest REM	19.51	Onyx Zion Landfill Zion, IL	
1684	IL10483036	3/21/2005	Midwest REM	20.13	Onyx Zion Landfill Zion, IL	
1685	IL10483037	3/21/2005	Midwest REM	18.50	Onyx Zion Landfill Zion, IL	
1686	IL10483038	3/21/2005	Midwest REM	20.71	Onyx Zion Landfill Zion, IL	
1687	IL10483039	3/21/2005	Midwest REM	18.99	Onyx Zion Landfill Zion, IL	
1688	IL10483040	3/21/2005	Midwest REM	22.74	Onyx Zion Landfill Zion, IL	
1689	IL10483041	3/21/2005	Midwest REM	19.46	Onyx Zion Landfill Zion, IL	
1690	IL10483042	3/21/2005	Midwest REM	20.72	Onyx Zion Landfill Zion, IL	
1691	IL10483043	3/21/2005	Midwest REM	19.26	Onyx Zion Landfill Zion, IL	
1692	IL10483044	3/21/2005	Midwest REM	20.21	Onyx Zion Landfill Zion, IL	
1693	IL10483045	3/21/2005	Midwest REM	16.53	Onyx Zion Landfill Zion, IL	
1694	IL10483046	3/21/2005	Midwest REM	19.40	Onyx Zion Landfill Zion, IL	
1695	IL10483047	3/21/2005	Midwest REM	19.16	Onyx Zion Landfill Zion, IL	
1696	IL10483048	3/21/2005	Midwest REM	21.28	Onyx Zion Landfill Zion, IL	
1697	IL10483049	3/21/2005	Midwest REM	17.19	Onyx Zion Landfill Zion, IL	
1698	IL10483050	3/21/2005	Midwest REM	19.52	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
1699	IL10483051	3/21/2005	Midwest REM	19.53	Onyx Zion Landfill Zion, IL	
1700	IL10483052	3/21/2005	Midwest REM	17.25	Onyx Zion Landfill Zion, IL	
1701	IL10483053	3/21/2005	Midwest REM	19.61	Onyx Zion Landfill Zion, IL	
1702	IL10483054	3/21/2005	Midwest REM	16.69	Onyx Zion Landfill Zion, IL	
1703	IL10483055	3/21/2005	Midwest REM	19.01	Onyx Zion Landfill Zion, IL	
1704	IL10483056	3/21/2005	Midwest REM	18.83	Onyx Zion Landfill Zion, IL	
1705	IL10483057	3/21/2005	Midwest REM	21.59	Onyx Zion Landfill Zion, IL	
1706	IL10483058	3/21/2005	Midwest REM	20.33	Onyx Zion Landfill Zion, IL	
1707	IL10483059	3/21/2005	Midwest REM	20.37	Onyx Zion Landfill Zion, IL	
1708	IL10483060	3/21/2005	Midwest REM	18.65	Onyx Zion Landfill Zion, IL	
1709	IL10483061	3/21/2005	Midwest REM	21.75	Onyx Zion Landfill Zion, IL	
1710	IL10483062	3/21/2005	Midwest REM	18.25	Onyx Zion Landfill Zion, IL	
1711	IL10483063	3/21/2005	Midwest REM	22.99	Onyx Zion Landfill Zion, IL	
1712	IL10483064	3/21/2005	Midwest REM	18.24	Onyx Zion Landfill Zion, IL	
1713	IL10483065	3/21/2005	Midwest REM	20.59	Onyx Zion Landfill Zion, IL	
1714	IL10483066	3/21/2005	Midwest REM	20.45	Onyx Zion Landfill Zion, IL	
1715	IL10483067	3/21/2005	Midwest REM	18.61	Onyx Zion Landfill Zion, IL	
1716	IL10483068	3/21/2005	Midwest REM	20.88	Onyx Zion Landfill Zion, IL	
1717	IL10483069	3/21/2005	Midwest REM	17.11	Onyx Zion Landfill Zion, IL	
1718	IL10483070	3/21/2005	Midwest REM	19.30	Onyx Zion Landfill Zion, IL	
1719	IL10483071	3/21/2005	Midwest REM	20.30	Onyx Zion Landfill Zion, IL	
1720	IL10483072	3/21/2005	Midwest REM	17.44	Onyx Zion Landfill Zion, IL	
1721	IL10483073	3/21/2005	Midwest REM	19.83	Onyx Zion Landfill Zion, IL	
1722	IL10483074	3/21/2005	Midwest REM	17.29	Onyx Zion Landfill Zion, IL	
1723	IL10483075	3/21/2005	Midwest REM	19.50	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter		Weight (Tons)	Destination	Comment
1724	IL10483076	3/21/2005	Midwest REM		17.99	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 3/21/05	1,787.22		
1725	IL10483077	3/22/2005	Midwest REM		21.07	Onyx Zion Landfill Zion, IL	
1726	IL10483078	3/22/2005	Midwest REM		19.46	Onyx Zion Landfill Zion, IL	
1727	IL10483079	3/22/2005	Midwest REM		21.06	Onyx Zion Landfill Zion, IL	
1728	IL10483080	3/22/2005	Midwest REM		17.25	Onyx Zion Landfill Zion, IL	
1729	IL10483081	3/22/2005	Midwest REM		19.91	Onyx Zion Landfill Zion, IL	
1730	IL10483082	3/22/2005	Midwest REM		15.72	Onyx Zion Landfill Zion, IL	
1731	IL10483083	3/22/2005	Midwest REM		15.75	Onyx Zion Landfill Zion, IL	
1732	IL10483084	3/22/2005	Midwest REM		17.40	Onyx Zion Landfill Zion, IL	
1733	IL10483085	3/22/2005	Midwest REM		14.00	Onyx Zion Landfill Zion, IL	
1734	IL10483086	3/22/2005	Midwest REM		16.18	Onyx Zion Landfill Zion, IL	
1735	IL10483087	3/22/2005	Midwest REM		17.71	Onyx Zion Landfill Zion, IL	
1736	IL10483088	3/22/2005	Midwest REM		17.80	Onyx Zion Landfill Zion, IL	
1737	IL10483089	3/22/2005	Midwest REM		18.63	Onyx Zion Landfill Zion, IL	
1738	IL10483090	3/22/2005	Midwest REM		19.17	Onyx Zion Landfill Zion, IL	
1739	IL10483091	3/22/2005	Midwest REM		16.57	Onyx Zion Landfill Zion, IL	
1740	IL10483092	3/22/2005	Midwest REM		17.94	Onyx Zion Landfill Zion, IL	
1741	IL10483093	3/22/2005	Midwest REM		21.50	Onyx Zion Landfill Zion, IL	
1742	IL10483094	3/22/2005	Midwest REM		21.51	Onyx Zion Landfill Zion, IL	
1743	IL10483095	3/22/2005	Midwest REM		19.47	Onyx Zion Landfill Zion, IL	
1744	IL10483096	3/22/2005	Midwest REM		17.24	Onyx Zion Landfill Zion, IL	
1745	IL10483097	3/22/2005	Midwest REM		20.18	Onyx Zion Landfill Zion, IL	
1746	IL10483098	3/22/2005	Midwest REM		19.54	Onyx Zion Landfill Zion, IL	
1747	IL10483099	3/22/2005	Midwest REM		20.12	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1748	IL10484763	3/22/2005	Midwest REM	16.96	Onyx Zion Landfill Zion, IL	
1749	IL10484764	3/22/2005	Midwest REM	18.90	Onyx Zion Landfill Zion, IL	
1750	IL10484765	3/22/2005	Midwest REM	18.44	Onyx Zion Landfill Zion, IL	
1751	IL10484766	3/22/2005	Midwest REM	26.68	Onyx Zion Landfill Zion, IL	
1752	IL10484767	3/22/2005	Midwest REM	18.56	Onyx Zion Landfill Zion, IL	
1753	IL10484768	3/22/2005	Midwest REM	17.25	Onyx Zion Landfill Zion, IL	
1754	IL10484769	3/22/2005	Midwest REM	16.04	Onyx Zion Landfill Zion, IL	
1755	IL10484770	3/22/2005	Midwest REM	19.57	Onyx Zion Landfill Zion, IL	
1756	IL10484771	3/22/2005	Midwest REM	18.99	Onyx Zion Landfill Zion, IL	
1757	IL10484772	3/22/2005	Midwest REM	19.72	Onyx Zion Landfill Zion, IL	
1758	IL10484773	3/22/2005	Midwest REM	19.33	Onyx Zion Landfill Zion, IL	
1759	IL10484774	3/22/2005	Midwest REM	19.95	Onyx Zion Landfill Zion, IL	
1760	IL10484775	3/22/2005	Midwest REM	21.69	Onyx Zion Landfill Zion, IL	
1761	IL10484776	3/22/2005	Midwest REM	18.61	Onyx Zion Landfill Zion, IL	
1762	IL10484777	3/22/2005	Midwest REM	16.66	Onyx Zion Landfill Zion, IL	
1763	IL10484778	3/22/2005	Midwest REM	19.79	Onyx Zion Landfill Zion, IL	
1764	IL10484779	3/22/2005	Midwest REM	20.76	Onyx Zion Landfill Zion, IL	
1765	IL10484780	3/22/2005	Midwest REM	18.84	Onyx Zion Landfill Zion, IL	
1766	IL10484781	3/22/2005	Midwest REM	20.81	Onyx Zion Landfill Zion, IL	
1767	IL10484782	3/22/2005	Midwest REM	21.11	Onyx Zion Landfill Zion, IL	
1768	IL10484783	3/22/2005	Midwest REM	18.64	Onyx Zion Landfill Zion, IL	
1769	IL10484784	3/22/2005	Midwest REM	17.04	Onyx Zion Landfill Zion, IL	
1770	IL10484785	3/22/2005	Midwest REM	21.28	Onyx Zion Landfill Zion, IL	
			SUBTOTAL WEIGHT- 3/22/05	870.80		
1771	IL10484786	3/23/2005	Midwest REM	17.08	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
1772	IL10484787	3/23/2005	Midwest REM	17.39	Onyx Zion Landfill Zion, IL	
1773	IL10484788	3/23/2005	Midwest REM	20.43	Onyx Zion Landfill Zion, IL	
1774	IL10484789	3/23/2005	Midwest REM	19.41	Onyx Zion Landfill Zion, IL	
1775	IL10484790	3/23/2005	Midwest REM	19.51	Onyx Zion Landfill Zion, IL	
1776	IL10484791	3/23/2005	Midwest REM	17.50	Onyx Zion Landfill Zion, IL	
1777	IL10484792	3/23/2005	Midwest REM	17.68	Onyx Zion Landfill Zion, IL	
1778	IL10484793	3/23/2005	Midwest REM	17.31	Onyx Zion Landfill Zion, IL	
1779	IL10484794	3/23/2005	Midwest REM	16.77	Onyx Zion Landfill Zion, IL	
1780	IL10484795	3/23/2005	Midwest REM	17.31	Onyx Zion Landfill Zion, IL	
1781	IL10484796	3/23/2005	Midwest REM	18.09	Onyx Zion Landfill Zion, IL	
1782	IL10484797	3/23/2005	Midwest REM	18.05	Onyx Zion Landfill Zion, IL	
1783	IL10484798	3/23/2005	Midwest REM	19.83	Onyx Zion Landfill Zion, IL	
1784	IL10484799	3/23/2005	Midwest REM	19.30	Onyx Zion Landfill Zion, IL	
1785	IL10484800	3/23/2005	Midwest REM	16.58	Onyx Zion Landfill Zion, IL	
1786	IL10484801	3/23/2005	Midwest REM	18.06	Onyx Zion Landfill Zion, IL	
1787	IL10484802	3/23/2005	Midwest REM	16.73	Onyx Zion Landfill Zion, IL	
1788	IL10484803	3/23/2005	Midwest REM	18.59	Onyx Zion Landfill Zion, IL	
1789	IL10484804	3/23/2005	Midwest REM	18.64	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 3/23/05				344.26		
1790	IL10484805	3/29/2005	Midwest REM	17.56	Onyx Zion Landfill Zion, IL	
1791	IL10484806	3/29/2005	Midwest REM	19.52	Onyx Zion Landfill Zion, IL	
1792	IL10484807	3/29/2005	Midwest REM	15.52	Onyx Zion Landfill Zion, IL	
1793	IL10484808	3/29/2005	Midwest REM	20.47	Onyx Zion Landfill Zion, IL	
1794	IL10484809	3/29/2005	Midwest REM	17.76	Onyx Zion Landfill Zion, IL	
1795	IL10484810	3/29/2005	Midwest REM	17.34	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
1796	IL10484811	3/29/2005	Midwest REM	16.36	Onyx Zion Landfill Zion, IL	
1797	IL10484812	3/29/2005	Midwest REM	20.43	Onyx Zion Landfill Zion, IL	
1798	IL10484813	3/29/2005	Midwest REM	19.67	Onyx Zion Landfill Zion, IL	
1799	IL10484814	3/29/2005	Midwest REM	17.90	Onyx Zion Landfill Zion, IL	
1800	IL10484815	3/29/2005	Midwest REM	17.54	Onyx Zion Landfill Zion, IL	
1801	IL10484816	3/29/2005	Midwest REM	19.85	Onyx Zion Landfill Zion, IL	
1802	IL10484817	3/29/2005	Midwest REM	17.83	Onyx Zion Landfill Zion, IL	
1803	IL10484818	3/29/2005	Midwest REM	18.85	Onyx Zion Landfill Zion, IL	
1804	IL10484819	3/29/2005	Midwest REM	21.47	Onyx Zion Landfill Zion, IL	
1805	IL10484820	3/29/2005	Midwest REM	21.15	Onyx Zion Landfill Zion, IL	
1806	IL10484821	3/29/2005	Midwest REM	18.62	Onyx Zion Landfill Zion, IL	
1807	IL10484822	3/29/2005	Midwest REM	18.13	Onyx Zion Landfill Zion, IL	
1808	IL10484823	3/29/2005	Midwest REM	20.74	Onyx Zion Landfill Zion, IL	
1809	IL10484824	3/29/2005	Midwest REM	22.17	Onyx Zion Landfill Zion, IL	
1810	IL10484825	3/29/2005	Midwest REM	22.33	Onyx Zion Landfill Zion, IL	
1811	IL10484826	3/29/2005	Midwest REM	18.65	Onyx Zion Landfill Zion, IL	
1812	IL10484827	3/29/2005	Midwest REM	18.15	Onyx Zion Landfill Zion, IL	
1813	IL10484828	3/29/2005	Midwest REM	20.39	Onyx Zion Landfill Zion, IL	
1814	IL10484829	3/29/2005	Midwest REM	20.06	Onyx Zion Landfill Zion, IL	
1815	IL10484830	3/29/2005	Midwest REM	19.55	Onyx Zion Landfill Zion, IL	
1816	IL10484831	3/29/2005	Midwest REM	20.69	Onyx Zion Landfill Zion, IL	
1817	IL10484832	3/29/2005	Midwest REM	18.85	Onyx Zion Landfill Zion, IL	
1818	IL10484833	3/29/2005	Midwest REM	15.32	Onyx Zion Landfill Zion, IL	
1819	IL10484834	3/29/2005	Midwest REM	17.52	Onyx Zion Landfill Zion, IL	
1820	IL10484835	3/29/2005	Midwest REM	20.36	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1821	IL10484836	3/29/2005	Midwest REM	21.38	Onyx Zion Landfill Zion, IL	
1822	IL10484837	3/29/2005	Midwest REM	19.25	Onyx Zion Landfill Zion, IL	
1823	IL10484838	3/29/2005	Midwest REM	18.58	Onyx Zion Landfill Zion, IL	
1824	IL10484839	3/29/2005	Midwest REM	19.80	Onyx Zion Landfill Zion, IL	
1825	IL10484840	3/29/2005	Midwest REM	19.10	Onyx Zion Landfill Zion, IL	
1826	IL10484841	3/29/2005	Midwest REM	19.44	Onyx Zion Landfill Zion, IL	
1827	IL10484842	3/29/2005	Midwest REM	21.10	Onyx Zion Landfill Zion, IL	
1828	IL10484843	3/29/2005	Midwest REM	19.60	Onyx Zion Landfill Zion, IL	
1829	IL10484844	3/29/2005	Midwest REM	19.22	Onyx Zion Landfill Zion, IL	
1830	IL10484845	3/29/2005	Midwest REM	17.14	Onyx Zion Landfill Zion, IL	
1831	IL10484846	3/29/2005	Midwest REM	20.91	Onyx Zion Landfill Zion, IL	
1832	IL10484847	3/29/2005	Midwest REM	18.99	Onyx Zion Landfill Zion, IL	
1833	IL10484848	3/29/2005	Midwest REM	19.38	Onyx Zion Landfill Zion, IL	
1834	IL10484849	3/29/2005	Midwest REM	20.48	Onyx Zion Landfill Zion, IL	
1835	IL10484850	3/29/2005	Midwest REM	19.92	Onyx Zion Landfill Zion, IL	
1836	IL10484851	3/29/2005	Midwest REM	18.92	Onyx Zion Landfill Zion, IL	
1837	IL10484852	3/29/2005	Midwest REM	21.50	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 3/29/05				925.46		
1838	IL10484853	3/30/2005	Midwest REM	19.34	Onyx Zion Landfill Zion, IL	
1839	IL10484854	3/30/2005	Midwest REM	18.10	Onyx Zion Landfill Zion, IL	
1840	IL10484855	3/30/2005	Midwest REM	19.20	Onyx Zion Landfill Zion, IL	
1841	IL10484856	3/30/2005	Midwest REM	20.61	Onyx Zion Landfill Zion, IL	
1842	IL10484857	3/30/2005	Midwest REM	18.52	Onyx Zion Landfill Zion, IL	
1843	IL10484858	3/30/2005	Midwest REM	19.07	Onyx Zion Landfill Zion, IL	
1844	IL10484859	3/30/2005	Midwest REM	19.62	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1845	IL10484860	3/30/2005	Midwest REM	20.31	Onyx Zion Landfill Zion, IL	
1846	IL10484861	3/30/2005	Midwest REM	18.84	Onyx Zion Landfill Zion, IL	
1847	IL10484862	3/30/2005	Midwest REM	19.03	Onyx Zion Landfill Zion, IL	
1848	IL10484863	3/30/2005	Midwest REM	17.17	Onyx Zion Landfill Zion, IL	
1849	IL10484864	3/30/2005	Midwest REM	17.98	Onyx Zion Landfill Zion, IL	
1850	IL10484865	3/30/2005	Midwest REM	20.49	Onyx Zion Landfill Zion, IL	
1851	IL10484866	3/30/2005	Midwest REM	18.38	Onyx Zion Landfill Zion, IL	
1852	IL10484867	3/30/2005	Midwest REM	20.40	Onyx Zion Landfill Zion, IL	
1853	IL10484868	3/30/2005	Midwest REM	20.12	Onyx Zion Landfill Zion, IL	
1854	IL10484869	3/30/2005	Midwest REM	17.62	Onyx Zion Landfill Zion, IL	
1855	IL10484870	3/30/2005	Midwest REM	18.32	Onyx Zion Landfill Zion, IL	
1856	IL10484871	3/30/2005	Midwest REM	19.74	Onyx Zion Landfill Zion, IL	
1857	IL10484872	3/30/2005	Midwest REM	22.21	Onyx Zion Landfill Zion, IL	
1858	IL10484873	3/30/2005	Midwest REM	19.17	Onyx Zion Landfill Zion, IL	
1859	IL10484874	3/30/2005	Midwest REM	18.97	Onyx Zion Landfill Zion, IL	
1860	IL10484875	3/30/2005	Midwest REM	19.14	Onyx Zion Landfill Zion, IL	
1861	IL10484876	3/30/2005	Midwest REM	18.53	Onyx Zion Landfill Zion, IL	
1862	IL10484877	3/30/2005	Midwest REM	21.14	Onyx Zion Landfill Zion, IL	
1863	IL10484878	3/30/2005	Midwest REM	19.01	Onyx Zion Landfill Zion, IL	
1864	IL10484879	3/30/2005	Midwest REM	21.57	Onyx Zion Landfill Zion, IL	
1865	IL10484880	3/30/2005	Midwest REM	21.32	Onyx Zion Landfill Zion, IL	
1866	IL10484881	3/30/2005	Midwest REM	20.18	Onyx Zion Landfill Zion, IL	
1867	IL10484882	3/30/2005	Midwest REM	20.66	Onyx Zion Landfill Zion, IL	
1868	IL10484883	3/30/2005	Midwest REM	21.33	Onyx Zion Landfill Zion, IL	
1869	IL10484884	3/30/2005	Midwest REM	20.52	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1870	IL10484885	3/30/2005	Midwest REM	24.09	Onyx Zion Landfill Zion, IL	
1871	IL10484886	3/30/2005	Midwest REM	15.42	Onyx Zion Landfill Zion, IL	
1872	IL10484887	3/30/2005	Midwest REM	15.70	Onyx Zion Landfill Zion, IL	
1873	IL10484888	3/30/2005	Midwest REM	16.82	Onyx Zion Landfill Zion, IL	
1874	IL10484889	3/30/2005	Midwest REM	17.59	Onyx Zion Landfill Zion, IL	
1875	IL10484890	3/30/2005	Midwest REM	14.42	Onyx Zion Landfill Zion, IL	
1876	IL10484891	3/30/2005	Midwest REM	18.47	Onyx Zion Landfill Zion, IL	
1877	IL10484892	3/30/2005	Midwest REM	16.72	Onyx Zion Landfill Zion, IL	
1878	IL10484893	3/30/2005	Midwest REM	15.27	Onyx Zion Landfill Zion, IL	
1879	IL10484894	3/30/2005	Midwest REM	14.91	Onyx Zion Landfill Zion, IL	
1880	IL10484895	3/30/2005	Midwest REM	15.19	Onyx Zion Landfill Zion, IL	
1881	IL10484896	3/30/2005	Midwest REM	16.29	Onyx Zion Landfill Zion, IL	
1882	IL10484897	3/30/2005	Midwest REM	16.54	Onyx Zion Landfill Zion, IL	
1883	IL10484898	3/30/2005	Midwest REM	17.77	Onyx Zion Landfill Zion, IL	
1884	IL10484899	3/30/2005	Midwest REM	17.96	Onyx Zion Landfill Zion, IL	
1885	IL10484900	3/30/2005	Midwest REM	18.49	Onyx Zion Landfill Zion, IL	
1886	IL10484901	3/30/2005	Midwest REM	20.99	Onyx Zion Landfill Zion, IL	
1887	IL10484902	3/30/2005	Midwest REM	15.44	Onyx Zion Landfill Zion, IL	
1888	IL10484903	3/30/2005	Midwest REM	20.87	Onyx Zion Landfill Zion, IL	
1889	IL10484904	3/30/2005	Midwest REM	16.94	Onyx Zion Landfill Zion, IL	
1890	IL10484905	3/30/2005	Midwest REM	16.03	Onyx Zion Landfill Zion, IL	
1891	IL10484906	3/30/2005	Midwest REM	18.57	Onyx Zion Landfill Zion, IL	
1892	IL10484907	3/30/2005	Midwest REM	16.76	Onyx Zion Landfill Zion, IL	
1893	IL10484908	3/30/2005	Midwest REM	18.15	Onyx Zion Landfill Zion, IL	
1894	IL10484909	3/30/2005	Midwest REM	17.12	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Skipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
1895	IL10484910	3/30/2005	Midwest REM	18.07	Onyx Zion Landfill Zion, IL	
1896	IL10484911	3/30/2005	Midwest REM	19.15	Onyx Zion Landfill Zion, IL	
1897	IL10484912	3/30/2005	Midwest REM	18.02	Onyx Zion Landfill Zion, IL	
1898	IL10484913	3/30/2005	Midwest REM	19.24	Onyx Zion Landfill Zion, IL	
1899	IL10484914	3/30/2005	Midwest REM	18.16	Onyx Zion Landfill Zion, IL	
1900	IL10484915	3/30/2005	Midwest REM	20.64	Onyx Zion Landfill Zion, IL	
1901	IL10484916	3/30/2005	Midwest REM	18.25	Onyx Zion Landfill Zion, IL	
1902	IL10484917	3/30/2005	Midwest REM	17.10	Onyx Zion Landfill Zion, IL	
1903	IL10484918	3/30/2005	Midwest REM	18.94	Onyx Zion Landfill Zion, IL	
1904	IL10484919	3/30/2005	Midwest REM	18.74	Onyx Zion Landfill Zion, IL	
1905	IL10484920	3/30/2005	Midwest REM	19.50	Onyx Zion Landfill Zion, IL	
1906	IL10484921	3/30/2005	Midwest REM	19.04	Onyx Zion Landfill Zion, IL	
1907	IL10484922	3/30/2005	Midwest REM	18.19	Onyx Zion Landfill Zion, IL	
1908	IL10484923	3/30/2005	Midwest REM	18.59	Onyx Zion Landfill Zion, IL	
1909	IL10484924	3/30/2005	Midwest REM	19.97	Onyx Zion Landfill Zion, IL	
1910	IL10484925	3/30/2005	Midwest REM	20.12	Onyx Zion Landfill Zion, IL	
1911	IL10484926	3/30/2005	Midwest REM	17.84	Onyx Zion Landfill Zion, IL	
1912	IL10484927	3/30/2005	Midwest REM	18.36	Onyx Zion Landfill Zion, IL	
1913	IL10484928	3/30/2005	Midwest REM	17.76	Onyx Zion Landfill Zion, IL	
1914	IL10484929	3/30/2005	Midwest REM	16.77	Onyx Zion Landfill Zion, IL	
1915	IL10484930	3/30/2005	Midwest REM	19.39	Onyx Zion Landfill Zion, IL	
1916	IL10484931	3/30/2005	Midwest REM	19.29	Onyx Zion Landfill Zion, IL	
1917	IL10484932	3/30/2005	Midwest REM	20.30	Onyx Zion Landfill Zion, IL	
			SUBTOTAL WEIGHT- 3/30/05	1,490.56		
1918	IL10484933	3/31/2005	Midwest REM	18.27	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
1919	IL10484934	3/31/2005	Midwest REM	16.11	Onyx Zion Landfill Zion, IL	
1920	IL10484935	3/31/2005	Midwest REM	15.98	Onyx Zion Landfill Zion, IL	
1921	IL10484936	3/31/2005	Midwest REM	19.33	Onyx Zion Landfill Zion, IL	
1922	IL10484937	3/31/2005	Midwest REM	15.80	Onyx Zion Landfill Zion, IL	
1923	IL10484938	3/31/2005	Midwest REM	14.92	Onyx Zion Landfill Zion, IL	
1924	IL10484939	3/31/2005	Midwest REM	16.25	Onyx Zion Landfill Zion, IL	
1925	IL10484940	3/31/2005	Midwest REM	16.98	Onyx Zion Landfill Zion, IL	
1926	IL10484941	3/31/2005	Midwest REM	16.91	Onyx Zion Landfill Zion, IL	
1927	IL10484942	3/31/2005	Midwest REM	17.00	Onyx Zion Landfill Zion, IL	
1928	IL10484943	3/31/2005	Midwest REM	16.42	Onyx Zion Landfill Zion, IL	
1929	IL10484944	3/31/2005	Midwest REM	17.50	Onyx Zion Landfill Zion, IL	
1930	IL10484945	3/31/2005	Midwest REM	19.42	Onyx Zion Landfill Zion, IL	
1931	IL10484946	3/31/2005	Midwest REM	17.72	Onyx Zion Landfill Zion, IL	
1932	IL10484947	3/31/2005	Midwest REM	16.99	Onyx Zion Landfill Zion, IL	
1933	IL10484948	3/31/2005	Midwest REM	19.84	Onyx Zion Landfill Zion, IL	
1934	IL10484949	3/31/2005	Midwest REM	16.48	Onyx Zion Landfill Zion, IL	
1935	IL10484950	3/31/2005	Midwest REM	17.15	Onyx Zion Landfill Zion, IL	
1936	IL10484951	3/31/2005	Midwest REM	19.23	Onyx Zion Landfill Zion, IL	
1937	IL10484952	3/31/2005	Midwest REM	18.52	Onyx Zion Landfill Zion, IL	
1938	IL10484953	3/31/2005	Midwest REM	18.59	Onyx Zion Landfill Zion, IL	
1939	IL10484954	3/31/2005	Midwest REM	19.17	Onyx Zion Landfill Zion, IL	
1940	IL10484955	3/31/2005	Midwest REM	21.80	Onyx Zion Landfill Zion, IL	
1941	IL10484956	3/31/2005	Midwest REM	21.25	Onyx Zion Landfill Zion, IL	
1942	IL10484957	3/31/2005	Midwest REM	21.92	Onyx Zion Landfill Zion, IL	
1943	IL10484958	3/31/2005	Midwest REM	19.93	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1944	IL10484959	3/31/2005	Midwest REM	20.87	Onyx Zion Landfill Zion, IL	
1945	IL10484960	3/31/2005	Midwest REM	18.08	Onyx Zion Landfill Zion, IL	
1946	IL10484961	3/31/2005	Midwest REM	18.09	Onyx Zion Landfill Zion, IL	
1947	IL10484962	3/31/2005	Midwest REM	20.38	Onyx Zion Landfill Zion, IL	
1948	IL10484963	3/31/2005	Midwest REM	21.94	Onyx Zion Landfill Zion, IL	
1949	IL10484964	3/31/2005	Midwest REM	21.35	Onyx Zion Landfill Zion, IL	
1950	IL10484965	3/31/2005	Midwest REM	20.66	Onyx Zion Landfill Zion, IL	
1951	IL10484966	3/31/2005	Midwest REM	21.30	Onyx Zion Landfill Zion, IL	
1952	IL10484967	3/31/2005	Midwest REM	21.93	Onyx Zion Landfill Zion, IL	
1953	IL10484968	3/31/2005	Midwest REM	19.35	Onyx Zion Landfill Zion, IL	
1954	IL10484969	3/31/2005	Midwest REM	19.80	Onyx Zion Landfill Zion, IL	
1955	IL10484970	3/31/2005	Midwest REM	20.57	Onyx Zion Landfill Zion, IL	
1956	IL10484971	3/31/2005	Midwest REM	22.88	Onyx Zion Landfill Zion, IL	
1957	IL10484972	3/31/2005	Midwest REM	19.58	Onyx Zion Landfill Zion, IL	
1958	IL10484973	3/31/2005	Midwest REM	18.35	Onyx Zion Landfill Zion, IL	
1959	IL10484974	3/31/2005	Midwest REM	19.11	Onyx Zion Landfill Zion, IL	
1960	IL10484975	3/31/2005	Midwest REM	20.01	Onyx Zion Landfill Zion, IL	
1961	IL10484976	3/31/2005	Midwest REM	20.98	Onyx Zion Landfill Zion, IL	
1962	IL10484977	3/31/2005	Midwest REM	22.45	Onyx Zion Landfill Zion, IL	
1963	IL10484978	3/31/2005	Midwest REM	21.88	Onyx Zion Landfill Zion, IL	
1964	IL10484979	3/31/2005	Midwest REM	16.89	Onyx Zion Landfill Zion, IL	
1965	IL10484980	3/31/2005	Midwest REM	19.28	Onyx Zion Landfill Zion, IL	
1966	IL10484981	3/31/2005	Midwest REM	20.17	Onyx Zion Landfill Zion, IL	
1967	IL10484982	3/31/2005	Midwest REM	21.75	Onyx Zion Landfill Zion, IL	
1968	IL10484983	3/31/2005	Midwest REM	16.71	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1969	IL10484984	3/31/2005	Midwest REM	16.71	Onyx Zion Landfill Zion, IL	
1970	IL10484985	3/31/2005	Midwest REM	19.23	Onyx Zion Landfill Zion, IL	
1971	IL10484986	3/31/2005	Midwest REM	17.71	Onyx Zion Landfill Zion, IL	
1972	IL10484987	3/31/2005	Midwest REM	16.63	Onyx Zion Landfill Zion, IL	
1973	IL10484988	3/31/2005	Midwest REM	20.49	Onyx Zion Landfill Zion, IL	
1974	IL10484989	3/31/2005	Midwest REM	21.02	Onyx Zion Landfill Zion, IL	
1975	IL10484990	3/31/2005	Midwest REM	19.39	Onyx Zion Landfill Zion, IL	
1976	IL10484991	3/31/2005	Midwest REM	18.67	Onyx Zion Landfill Zion, IL	
1977	IL10484992	3/31/2005	Midwest REM	18.42	Onyx Zion Landfill Zion, IL	
1978	IL11032251	3/31/2005	Midwest REM	19.91	Onyx Zion Landfill Zion, IL	
1979	IL11032252	3/31/2005	Midwest REM	17.68	Onyx Zion Landfill Zion, IL	
1980	IL11032253	3/31/2005	Midwest REM	17.44	Onyx Zion Landfill Zion, IL	
1981	IL11032254	3/31/2005	Midwest REM	19.79	Onyx Zion Landfill Zion, IL	
1982	IL11032255	3/31/2005	Midwest REM	19.66	Onyx Zion Landfill Zion, IL	
1983	IL11032256	3/31/2005	Midwest REM	21.01	Onyx Zion Landfill Zion, IL	
1984	IL11032257	3/31/2005	Midwest REM	23.85	Onyx Zion Landfill Zion, IL	
1985	IL11032258	3/31/2005	Midwest REM	23.18	Onyx Zion Landfill Zion, IL	
1986	IL11032259	3/31/2005	Midwest REM	20.56	Onyx Zion Landfill Zion, IL	
1987	IL11032260	3/31/2005	Midwest REM	20.48	Onyx Zion Landfill Zion, IL	
1988	IL11032261	3/31/2005	Midwest REM	21.28	Onyx Zion Landfill Zion, IL	
1989	IL11032262	3/31/2005	Midwest REM	18.87	Onyx Zion Landfill Zion, IL	
1990	IL11032263	3/31/2005	Midwest REM	19.29	Onyx Zion Landfill Zion, IL	
1991	IL11032264	3/31/2005	Midwest REM	16.91	Onyx Zion Landfill Zion, IL	
1992	IL11032265	3/31/2005	Midwest REM	19.35	Onyx Zion Landfill Zion, IL	
1993	IL11032266	3/31/2005	Midwest REM	19.69	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>		<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
1994	IL11032267	3/31/2005	Midwest REM		18.52	Onyx Zion Landfill Zion, IL	
1995	IL11032268	3/31/2005	Midwest REM		20.63	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 3/31/05	1,500.21		
				SUBTOTAL WEIGHT- MARCH 2005	16,242.57		
1996	IL11032269	4/1/2005	Midwest REM		19.86	Onyx Zion Landfill Zion, IL	
1997	IL11032270	4/1/2005	Midwest REM		16.72	Onyx Zion Landfill Zion, IL	
1998	IL11032271	4/1/2005	Midwest REM		15.85	Onyx Zion Landfill Zion, IL	
1999	IL11032272	4/1/2005	Midwest REM		16.38	Onyx Zion Landfill Zion, IL	
2000	IL11032273	4/1/2005	Midwest REM		17.03	Onyx Zion Landfill Zion, IL	
2001	IL11032274	4/1/2005	Midwest REM		19.07	Onyx Zion Landfill Zion, IL	
2002	IL11032275	4/1/2005	Midwest REM		16.83	Onyx Zion Landfill Zion, IL	
2003	IL11032276	4/1/2005	Midwest REM		16.61	Onyx Zion Landfill Zion, IL	
2004	IL11032277	4/1/2005	Midwest REM		18.57	Onyx Zion Landfill Zion, IL	
2005	IL11032278	4/1/2005	Midwest REM		18.72	Onyx Zion Landfill Zion, IL	
2006	IL11032279	4/1/2005	Midwest REM		20.17	Onyx Zion Landfill Zion, IL	
2007	IL11032280	4/1/2005	Midwest REM		18.46	Onyx Zion Landfill Zion, IL	
2008	IL11032281	4/1/2005	Midwest REM		18.16	Onyx Zion Landfill Zion, IL	
2009	IL11032282	4/1/2005	Midwest REM		19.17	Onyx Zion Landfill Zion, IL	
2010	IL11032283	4/1/2005	Midwest REM		19.16	Onyx Zion Landfill Zion, IL	
2011	IL11032284	4/1/2005	Midwest REM		22.27	Onyx Zion Landfill Zion, IL	
2012	IL11032285	4/1/2005	Midwest REM		19.22	Onyx Zion Landfill Zion, IL	
2013	IL11032286	4/1/2005	Midwest REM		18.51	Onyx Zion Landfill Zion, IL	
2014	IL11032287	4/1/2005	Midwest REM		18.46	Onyx Zion Landfill Zion, IL	
2015	IL11032288	4/1/2005	Midwest REM		18.65	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2016	IL11032289	4/1/2005	Midwest REM	21.74	Onyx Zion Landfill Zion, IL	
2017	IL11032290	4/1/2005	Midwest REM	15.93	Onyx Zion Landfill Zion, IL	
2018	IL11032291	4/1/2005	Midwest REM	18.09	Onyx Zion Landfill Zion, IL	
2019	IL11032292	4/1/2005	Midwest REM	20.67	Onyx Zion Landfill Zion, IL	
2020	IL11032293	4/1/2005	Midwest REM	19.15	Onyx Zion Landfill Zion, IL	
2021	IL11032294	4/1/2005	Midwest REM	18.35	Onyx Zion Landfill Zion, IL	
2022	IL11032295	4/1/2005	Midwest REM	18.23	Onyx Zion Landfill Zion, IL	
2023	IL11032296	4/1/2005	Midwest REM	17.35	Onyx Zion Landfill Zion, IL	
2024	IL11032297	4/1/2005	Midwest REM	19.79	Onyx Zion Landfill Zion, IL	
2025	IL11032298	4/1/2005	Midwest REM	18.82	Onyx Zion Landfill Zion, IL	
2026	IL11032299	4/1/2005	Midwest REM	19.54	Onyx Zion Landfill Zion, IL	
2027	IL11032300	4/1/2005	Midwest REM	20.25	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 4/1/05				595.78		
2028	IL11032301	4/4/2005	Midwest REM	20.53	Onyx Zion Landfill Zion, IL	
2029	IL11032302	4/4/2005	Midwest REM	19.69	Onyx Zion Landfill Zion, IL	
2030	IL11032303	4/4/2005	Midwest REM	18.81	Onyx Zion Landfill Zion, IL	
2031	IL11032304	4/4/2005	Midwest REM	18.54	Onyx Zion Landfill Zion, IL	
2032	IL11032305	4/4/2005	Midwest REM	18.96	Onyx Zion Landfill Zion, IL	
2033	IL11032306	4/4/2005	Midwest REM	16.91	Onyx Zion Landfill Zion, IL	
2034	IL11032307	4/4/2005	Midwest REM	17.86	Onyx Zion Landfill Zion, IL	
2035	IL11032308	4/4/2005	Midwest REM	19.12	Onyx Zion Landfill Zion, IL	
2036	IL11032309	4/4/2005	Midwest REM	19.79	Onyx Zion Landfill Zion, IL	
2037	IL11032310	4/4/2005	Midwest REM	22.70	Onyx Zion Landfill Zion, IL	
2038	IL11032311	4/4/2005	Midwest REM	19.43	Onyx Zion Landfill Zion, IL	
2039	IL11032312	4/4/2005	Midwest REM	19.17	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
2040	IL11032313	4/4/2005	Midwest REM	20.49	Onyx Zion Landfill Zion, IL	
2041	IL11032314	4/4/2005	Midwest REM	22.51	Onyx Zion Landfill Zion, IL	
2042	IL11032315	4/4/2005	Midwest REM	18.77	Onyx Zion Landfill Zion, IL	
2043	IL11032316	4/4/2005	Midwest REM	20.35	Onyx Zion Landfill Zion, IL	
2044	IL11032317	4/4/2005	Midwest REM	24.06	Onyx Zion Landfill Zion, IL	
2045	IL11032318	4/4/2005	Midwest REM	21.36	Onyx Zion Landfill Zion, IL	
2046	IL11032319	4/4/2005	Midwest REM	21.32	Onyx Zion Landfill Zion, IL	
2047	IL11032320	4/4/2005	Midwest REM	22.75	Onyx Zion Landfill Zion, IL	
2048	IL11032321	4/4/2005	Midwest REM	22.92	Onyx Zion Landfill Zion, IL	
2049	IL11032322	4/4/2005	Midwest REM	21.31	Onyx Zion Landfill Zion, IL	
2050	IL11032323	4/4/2005	Midwest REM	20.02	Onyx Zion Landfill Zion, IL	
2051	IL11032324	4/4/2005	Midwest REM	21.12	Onyx Zion Landfill Zion, IL	
2052	IL11032325	4/4/2005	Midwest REM	24.61	Onyx Zion Landfill Zion, IL	
2053	IL11032326	4/4/2005	Midwest REM	18.01	Onyx Zion Landfill Zion, IL	
2054	IL11032327	4/4/2005	Midwest REM	23.21	Onyx Zion Landfill Zion, IL	
2055	IL11032328	4/4/2005	Midwest REM	20.82	Onyx Zion Landfill Zion, IL	
2056	IL11032329	4/4/2005	Midwest REM	20.38	Onyx Zion Landfill Zion, IL	
2057	IL11032330	4/4/2005	Midwest REM	23.46	Onyx Zion Landfill Zion, IL	
2058	IL11032331	4/4/2005	Midwest REM	20.32	Onyx Zion Landfill Zion, IL	
2059	IL11032332	4/4/2005	Midwest REM	21.22	Onyx Zion Landfill Zion, IL	
2060	IL11032333	4/4/2005	Midwest REM	18.27	Onyx Zion Landfill Zion, IL	
2061	IL11032334	4/4/2005	Midwest REM	23.68	Onyx Zion Landfill Zion, IL	
2062	IL11032335	4/4/2005	Midwest REM	18.79	Onyx Zion Landfill Zion, IL	
2063	IL11032336	4/4/2005	Midwest REM	22.35	Onyx Zion Landfill Zion, IL	
2064	IL11032337	4/4/2005	Midwest REM	18.76	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2065	IL11032338	4/4/2005	Midwest REM	19.76	Onyx Zion Landfill Zion, IL	
2066	IL11032339	4/4/2005	Midwest REM	22.36	Onyx Zion Landfill Zion, IL	
2067	IL11032340	4/4/2005	Midwest REM	21.13	Onyx Zion Landfill Zion, IL	
2068	IL11032341	4/4/2005	Midwest REM	19.40	Onyx Zion Landfill Zion, IL	
2069	IL11032342	4/4/2005	Midwest REM	19.83	Onyx Zion Landfill Zion, IL	
2070	IL11032343	4/4/2005	Midwest REM	20.36	Onyx Zion Landfill Zion, IL	
2071	IL11032344	4/4/2005	Midwest REM	19.85	Onyx Zion Landfill Zion, IL	
2072	IL11032345	4/4/2005	Midwest REM	21.96	Onyx Zion Landfill Zion, IL	
2073	IL11032346	4/4/2005	Midwest REM	21.08	Onyx Zion Landfill Zion, IL	
2074	IL11032347	4/4/2005	Midwest REM	18.55	Onyx Zion Landfill Zion, IL	
2075	IL11032348	4/4/2005	Midwest REM	20.14	Onyx Zion Landfill Zion, IL	
2076	IL11032349	4/4/2005	Midwest REM	22.04	Onyx Zion Landfill Zion, IL	
2077	IL11032350	4/4/2005	Midwest REM	22.79	Onyx Zion Landfill Zion, IL	
2078	IL11032351	4/4/2005	Midwest REM	18.92	Onyx Zion Landfill Zion, IL	
2079	IL11032352	4/4/2005	Midwest REM	19.93	Onyx Zion Landfill Zion, IL	
2080	IL11032353	4/4/2005	Midwest REM	21.19	Onyx Zion Landfill Zion, IL	
2081	IL11032354	4/4/2005	Midwest REM	20.26	Onyx Zion Landfill Zion, IL	
2082	IL11032355	4/4/2005	Midwest REM	22.60	Onyx Zion Landfill Zion, IL	
2083	IL11032356	4/4/2005	Midwest REM	18.76	Onyx Zion Landfill Zion, IL	
2084	IL11032357	4/4/2005	Midwest REM	23.56	Onyx Zion Landfill Zion, IL	
2085	IL11032358	4/4/2005	Midwest REM	19.85	Onyx Zion Landfill Zion, IL	
2086	IL11032359	4/4/2005	Midwest REM	23.45	Onyx Zion Landfill Zion, IL	
2087	IL11032360	4/4/2005	Midwest REM	22.99	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 4/4/05	1,243.13	
2088	IL11032361	4/5/2005	Midwest REM	21.32	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2089	IL11032362	4/5/2005	Midwest REM	22.04	Onyx Zion Landfill Zion, IL	
2090	IL11032363	4/5/2005	Midwest REM	20.72	Onyx Zion Landfill Zion, IL	
2091	IL11032364	4/5/2005	Midwest REM	21.85	Onyx Zion Landfill Zion, IL	
2092	IL11032365	4/5/2005	Midwest REM	22.90	Onyx Zion Landfill Zion, IL	
2093	IL11032366	4/5/2005	Midwest REM	22.05	Onyx Zion Landfill Zion, IL	
2094	IL11032367	4/5/2005	Midwest REM	19.75	Onyx Zion Landfill Zion, IL	
2095	IL11032368	4/5/2005	Midwest REM	21.03	Onyx Zion Landfill Zion, IL	
2096	IL11032369	4/5/2005	Midwest REM	23.19	Onyx Zion Landfill Zion, IL	
2097	IL11032370	4/5/2005	Midwest REM	19.11	Onyx Zion Landfill Zion, IL	
2098	IL11032371	4/5/2005	Midwest REM	23.11	Onyx Zion Landfill Zion, IL	
2099	IL11032372	4/5/2005	Midwest REM	23.14	Onyx Zion Landfill Zion, IL	
2100	IL11032373	4/5/2005	Midwest REM	25.04	Onyx Zion Landfill Zion, IL	
2101	IL11032374	4/5/2005	Midwest REM	23.20	Onyx Zion Landfill Zion, IL	
2102	IL11032375	4/5/2005	Midwest REM	21.13	Onyx Zion Landfill Zion, IL	
2103	IL11032376	4/5/2005	Midwest REM	21.92	Onyx Zion Landfill Zion, IL	
2104	IL11032377	4/5/2005	Midwest REM	19.86	Onyx Zion Landfill Zion, IL	
2105	IL11032378	4/5/2005	Midwest REM	15.36	Onyx Zion Landfill Zion, IL	
2106	IL11032379	4/5/2005	Midwest REM	14.45	Onyx Zion Landfill Zion, IL	
2107	IL11032380	4/5/2005	Midwest REM	14.93	Onyx Zion Landfill Zion, IL	
2108	IL11032381	4/5/2005	Midwest REM	15.86	Onyx Zion Landfill Zion, IL	
2109	IL11032382	4/5/2005	Midwest REM	17.90	Onyx Zion Landfill Zion, IL	
2110	IL11032383	4/5/2005	Midwest REM	15.13	Onyx Zion Landfill Zion, IL	
2111	IL11032384	4/5/2005	Midwest REM	15.36	Onyx Zion Landfill Zion, IL	
2112	IL11032385	4/5/2005	Midwest REM	16.13	Onyx Zion Landfill Zion, IL	
2113	IL11032386	4/5/2005	Midwest REM	14.85	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2114	IL11032387	4/5/2005	Midwest REM	16.72	Onyx Zion Landfill Zion, IL	
2115	IL11032388	4/5/2005	Midwest REM	17.34	Onyx Zion Landfill Zion, IL	
2116	IL11032389	4/5/2005	Midwest REM	16.80	Onyx Zion Landfill Zion, IL	
2117	IL11032390	4/5/2005	Midwest REM	15.98	Onyx Zion Landfill Zion, IL	
2118	IL11032391	4/5/2005	Midwest REM	16.10	Onyx Zion Landfill Zion, IL	
2119	IL11032392	4/5/2005	Midwest REM	16.06	Onyx Zion Landfill Zion, IL	
2120	IL11032393	4/5/2005	Midwest REM	14.82	Onyx Zion Landfill Zion, IL	
2121	IL11032394	4/5/2005	Midwest REM	18.17	Onyx Zion Landfill Zion, IL	
2122	IL11032395	4/5/2005	Midwest REM	17.63	Onyx Zion Landfill Zion, IL	
2123	IL11032396	4/5/2005	Midwest REM	16.71	Onyx Zion Landfill Zion, IL	
2124	IL11032397	4/5/2005	Midwest REM	15.10	Onyx Zion Landfill Zion, IL	
2125	IL11032398	4/5/2005	Midwest REM	14.13	Onyx Zion Landfill Zion, IL	
2126	IL11032399	4/5/2005	Midwest REM	18.46	Onyx Zion Landfill Zion, IL	
2127	IL11032400	4/5/2005	Midwest REM	19.11	Onyx Zion Landfill Zion, IL	
2128	IL11032401	4/5/2005	Midwest REM	16.11	Onyx Zion Landfill Zion, IL	
2129	IL11032402	4/5/2005	Midwest REM	15.93	Onyx Zion Landfill Zion, IL	
2130	IL11032403	4/5/2005	Midwest REM	15.48	Onyx Zion Landfill Zion, IL	
2131	IL11032404	4/5/2005	Midwest REM	15.75	Onyx Zion Landfill Zion, IL	
2132	IL11032405	4/5/2005	Midwest REM	17.08	Onyx Zion Landfill Zion, IL	
2133	IL11032406	4/5/2005	Midwest REM	18.56	Onyx Zion Landfill Zion, IL	
2134	IL11032407	4/5/2005	Midwest REM	19.10	Onyx Zion Landfill Zion, IL	
2135	IL11032408	4/5/2005	Midwest REM	17.63	Onyx Zion Landfill Zion, IL	
2136	IL11032409	4/5/2005	Midwest REM	16.54	Onyx Zion Landfill Zion, IL	
2137	IL11032410	4/5/2005	Midwest REM	20.75	Onyx Zion Landfill Zion, IL	
2138	IL11032411	4/5/2005	Midwest REM	16.68	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
2139	IL11032412	4/5/2005	Midwest REM	18.86	Onyx Zion Landfill Zion, IL	
2140	IL11032413	4/5/2005	Midwest REM	18.03	Onyx Zion Landfill Zion, IL	
2141	IL11032414	4/5/2005	Midwest REM	15.96	Onyx Zion Landfill Zion, IL	
2142	IL11032415	4/5/2005	Midwest REM	21.12	Onyx Zion Landfill Zion, IL	
2143	IL11032416	4/5/2005	Midwest REM	18.66	Onyx Zion Landfill Zion, IL	
2144	IL11032417	4/5/2005	Midwest REM	17.44	Onyx Zion Landfill Zion, IL	
2145	IL11032418	4/5/2005	Midwest REM	19.77	Onyx Zion Landfill Zion, IL	
2146	IL11032419	4/5/2005	Midwest REM	15.65	Onyx Zion Landfill Zion, IL	
2147	IL11032420	4/5/2005	Midwest REM	17.44	Onyx Zion Landfill Zion, IL	
2148	IL11032421	4/5/2005	Midwest REM	17.97	Onyx Zion Landfill Zion, IL	
2149	IL11032422	4/5/2005	Midwest REM	6.64	Onyx Zion Landfill Zion, IL	
2150	IL11032423	4/5/2005	Midwest REM	16.04	Onyx Zion Landfill Zion, IL	
2151	IL11032424	4/5/2005	Midwest REM	14.63	Onyx Zion Landfill Zion, IL	
2152	IL11032425	4/5/2005	Midwest REM	17.81	Onyx Zion Landfill Zion, IL	
2153	IL11032426	4/5/2005	Midwest REM	21.32	Onyx Zion Landfill Zion, IL	
2154	IL11032427	4/5/2005	Midwest REM	19.61	Onyx Zion Landfill Zion, IL	
2155	IL11032428	4/5/2005	Midwest REM	17.56	Onyx Zion Landfill Zion, IL	
2156	IL11032429	4/5/2005	Midwest REM	19.02	Onyx Zion Landfill Zion, IL	
2157	IL11032430	4/5/2005	Midwest REM	19.47	Onyx Zion Landfill Zion, IL	
2158	IL11032431	4/5/2005	Midwest REM	18.56	Onyx Zion Landfill Zion, IL	
2159	IL11032432	4/5/2005	Midwest REM	19.71	Onyx Zion Landfill Zion, IL	
2160	IL11032433	4/5/2005	Midwest REM	20.90	Onyx Zion Landfill Zion, IL	
2161	IL11032434	4/5/2005	Midwest REM	19.91	Onyx Zion Landfill Zion, IL	
			SUBTOTAL WEIGHT- 4/5/05	1,346.15		
2162	IL11032435	4/6/2005	Midwest REM	18.92	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2163	IL11032436	4/6/2005	Midwest REM	18.68	Onyx Zion Landfill Zion, IL	
2164	IL11032437	4/6/2005	Midwest REM	17.81	Onyx Zion Landfill Zion, IL	
2165	IL11032438	4/6/2005	Midwest REM	18.75	Onyx Zion Landfill Zion, IL	
2166	IL11032439	4/6/2005	Midwest REM	17.95	Onyx Zion Landfill Zion, IL	
2167	IL11032440	4/6/2005	Midwest REM	19.79	Onyx Zion Landfill Zion, IL	
2168	IL11032441	4/6/2005	Midwest REM	19.23	Onyx Zion Landfill Zion, IL	
2169	IL11032442	4/6/2005	Midwest REM	16.36	Onyx Zion Landfill Zion, IL	
2170	IL11032443	4/6/2005	Midwest REM	15.74	Onyx Zion Landfill Zion, IL	
2171	IL11032444	4/6/2005	Midwest REM	19.98	Onyx Zion Landfill Zion, IL	
2172	IL11032445	4/6/2005	Midwest REM	17.18	Onyx Zion Landfill Zion, IL	
2173	IL11032446	4/6/2005	Midwest REM	19.49	Onyx Zion Landfill Zion, IL	
2174	IL11032447	4/6/2005	Midwest REM	12.97	Onyx Zion Landfill Zion, IL	
2175	IL11032448	4/6/2005	Midwest REM	17.11	Onyx Zion Landfill Zion, IL	
2176	IL11032449	4/6/2005	Midwest REM	14.30	Onyx Zion Landfill Zion, IL	
2177	IL11032450	4/6/2005	Midwest REM	16.52	Onyx Zion Landfill Zion, IL	
2178	IL11032451	4/6/2005	Midwest REM	13.49	Onyx Zion Landfill Zion, IL	
2179	IL11032452	4/6/2005	Midwest REM	14.91	Onyx Zion Landfill Zion, IL	
2180	IL11032453	4/6/2005	Midwest REM	15.79	Onyx Zion Landfill Zion, IL	
2181	IL11032454	4/6/2005	Midwest REM	16.68	Onyx Zion Landfill Zion, IL	
2182	IL11032455	4/6/2005	Midwest REM	15.69	Onyx Zion Landfill Zion, IL	
2183	IL11032456	4/6/2005	Midwest REM	14.55	Onyx Zion Landfill Zion, IL	
2184	IL11032457	4/6/2005	Midwest REM	18.76	Onyx Zion Landfill Zion, IL	
2185	IL11032458	4/6/2005	Midwest REM	15.00	Onyx Zion Landfill Zion, IL	
2186	IL11032459	4/6/2005	Midwest REM	18.56	Onyx Zion Landfill Zion, IL	
2187	IL11032460	4/6/2005	Midwest REM	16.84	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2188	IL11032461	4/6/2005	Midwest REM	16.22	Onyx Zion Landfill Zion, IL	
2189	IL11032462	4/6/2005	Midwest REM	18.44	Onyx Zion Landfill Zion, IL	
2190	IL11032463	4/6/2005	Midwest REM	15.71	Onyx Zion Landfill Zion, IL	
2191	IL11032464	4/6/2005	Midwest REM	18.20	Onyx Zion Landfill Zion, IL	
2192	IL11032465	4/6/2005	Midwest REM	17.55	Onyx Zion Landfill Zion, IL	
2193	IL11032466	4/6/2005	Midwest REM	18.07	Onyx Zion Landfill Zion, IL	
2194	IL11032467	4/6/2005	Midwest REM	14.44	Onyx Zion Landfill Zion, IL	
2195	IL11032468	4/6/2005	Midwest REM	15.73	Onyx Zion Landfill Zion, IL	
2196	IL11032469	4/6/2005	Midwest REM	22.18	Onyx Zion Landfill Zion, IL	
2197	IL11032470	4/6/2005	Midwest REM	18.08	Onyx Zion Landfill Zion, IL	
2198	IL11032471	4/6/2005	Midwest REM	19.49	Onyx Zion Landfill Zion, IL	
2199	IL11032472	4/6/2005	Midwest REM	19.17	Onyx Zion Landfill Zion, IL	
2200	IL11032473	4/6/2005	Midwest REM	22.31	Onyx Zion Landfill Zion, IL	
2201	IL11032474	4/6/2005	Midwest REM	16.19	Onyx Zion Landfill Zion, IL	
2202	IL11032475	4/6/2005	Midwest REM	19.60	Onyx Zion Landfill Zion, IL	
2203	IL11032476	4/6/2005	Midwest REM	17.38	Onyx Zion Landfill Zion, IL	
2204	IL11032477	4/6/2005	Midwest REM	19.21	Onyx Zion Landfill Zion, IL	
2205	IL11032478	4/6/2005	Midwest REM	20.52	Onyx Zion Landfill Zion, IL	
2206	IL11032479	4/6/2005	Midwest REM	16.28	Onyx Zion Landfill Zion, IL	
2207	IL11032480	4/6/2005	Midwest REM	17.00	Onyx Zion Landfill Zion, IL	
2208	IL11032481	4/6/2005	Midwest REM	23.10	Onyx Zion Landfill Zion, IL	
2209	IL11032482	4/6/2005	Midwest REM	17.74	Onyx Zion Landfill Zion, IL	
2210	IL11032483	4/6/2005	Midwest REM	19.61	Onyx Zion Landfill Zion, IL	
2211	IL11032484	4/6/2005	Midwest REM	18.96	Onyx Zion Landfill Zion, IL	
2212	IL11032485	4/6/2005	Midwest REM	19.90	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
2213	IL11032486	4/6/2005	Midwest REM	21.02	Onyx Zion Landfill Zion, IL	
2214	IL11032487	4/6/2005	Midwest REM	18.50	Onyx Zion Landfill Zion, IL	
2215	IL11032488	4/6/2005	Midwest REM	20.67	Onyx Zion Landfill Zion, IL	
2216	IL11032489	4/6/2005	Midwest REM	20.13	Onyx Zion Landfill Zion, IL	
2217	IL11032490	4/6/2005	Midwest REM	20.88	Onyx Zion Landfill Zion, IL	
2218	IL11032491	4/6/2005	Midwest REM	18.37	Onyx Zion Landfill Zion, IL	
2219	IL11032492	4/6/2005	Midwest REM	19.21	Onyx Zion Landfill Zion, IL	
2220	IL11032493	4/6/2005	Midwest REM	22.72	Onyx Zion Landfill Zion, IL	
2221	IL11032494	4/6/2005	Midwest REM	18.75	Onyx Zion Landfill Zion, IL	
2222	IL11032495	4/6/2005	Midwest REM	22.64	Onyx Zion Landfill Zion, IL	
2223	IL11032496	4/6/2005	Midwest REM	19.22	Onyx Zion Landfill Zion, IL	
2224	IL11032497	4/6/2005	Midwest REM	20.10	Onyx Zion Landfill Zion, IL	
2225	IL11032498	4/6/2005	Midwest REM	20.40	Onyx Zion Landfill Zion, IL	
2226	IL11032499	4/6/2005	Midwest REM	17.40	Onyx Zion Landfill Zion, IL	
2227	IL11032500	4/6/2005	Midwest REM	22.23	Onyx Zion Landfill Zion, IL	
2228	IL11032006	4/6/2005	Midwest REM	17.93	Onyx Zion Landfill Zion, IL	
2229	IL11032007	4/6/2005	Midwest REM	21.00	Onyx Zion Landfill Zion, IL	
2230	IL11032008	4/6/2005	Midwest REM	21.72	Onyx Zion Landfill Zion, IL	
2231	IL11032009	4/6/2005	Midwest REM	19.07	Onyx Zion Landfill Zion, IL	
2232	IL11032010	4/6/2005	Midwest REM	21.41	Onyx Zion Landfill Zion, IL	
2233	IL11032011	4/6/2005	Midwest REM	19.86	Onyx Zion Landfill Zion, IL	
2234	IL11032012	4/6/2005	Midwest REM	21.29	Onyx Zion Landfill Zion, IL	
2235	IL11032013	4/6/2005	Midwest REM	19.09	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 4/6/05	1,365.74	
2236	IL11032014	4/7/2005	Midwest REM	19.63	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2237	IL11032015	4/7/2005	Midwest REM	18.54	Onyx Zion Landfill Zion, IL	
2238	IL11032016	4/7/2005	Midwest REM	19.25	Onyx Zion Landfill Zion, IL	
2239	IL11032017	4/7/2005	Midwest REM	22.76	Onyx Zion Landfill Zion, IL	
2240	IL11032018	4/7/2005	Midwest REM	17.66	Onyx Zion Landfill Zion, IL	
2241	IL11032019	4/7/2005	Midwest REM	19.54	Onyx Zion Landfill Zion, IL	
2242	IL11032020	4/7/2005	Midwest REM	20.39	Onyx Zion Landfill Zion, IL	
2243	IL11032021	4/7/2005	Midwest REM	21.64	Onyx Zion Landfill Zion, IL	
2244	IL11032022	4/7/2005	Midwest REM	19.57	Onyx Zion Landfill Zion, IL	
2245	IL11032023	4/7/2005	Midwest REM	18.42	Onyx Zion Landfill Zion, IL	
2246	IL11032024	4/7/2005	Midwest REM	17.36	Onyx Zion Landfill Zion, IL	
2247	IL11032025	4/7/2005	Midwest REM	21.25	Onyx Zion Landfill Zion, IL	
2248	IL11032026	4/7/2005	Midwest REM	22.62	Onyx Zion Landfill Zion, IL	
2249	IL11032027	4/7/2005	Midwest REM	20.63	Onyx Zion Landfill Zion, IL	
2250	IL11032028	4/7/2005	Midwest REM	20.39	Onyx Zion Landfill Zion, IL	
2251	IL11032029	4/7/2005	Midwest REM	20.92	Onyx Zion Landfill Zion, IL	
2252	IL11032030	4/7/2005	Midwest REM	21.34	Onyx Zion Landfill Zion, IL	
2253	IL11032031	4/7/2005	Midwest REM	21.03	Onyx Zion Landfill Zion, IL	
2254	IL11032032	4/7/2005	Midwest REM	23.81	Onyx Zion Landfill Zion, IL	
2255	IL11032033	4/7/2005	Midwest REM	21.50	Onyx Zion Landfill Zion, IL	
2256	IL11032034	4/7/2005	Midwest REM	20.63	Onyx Zion Landfill Zion, IL	
2257	IL11032035	4/7/2005	Midwest REM	19.47	Onyx Zion Landfill Zion, IL	
2258	IL11032036	4/7/2005	Midwest REM	21.41	Onyx Zion Landfill Zion, IL	
2259	IL11032037	4/7/2005	Midwest REM	19.75	Onyx Zion Landfill Zion, IL	
2260	IL11032038	4/7/2005	Midwest REM	21.40	Onyx Zion Landfill Zion, IL	
2261	IL11032039	4/7/2005	Midwest REM	18.83	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2262	IL11032040	4/7/2005	Midwest REM	21.51	Onyx Zion Landfill Zion, IL	
2263	IL11032041	4/7/2005	Midwest REM	18.21	Onyx Zion Landfill Zion, IL	
2264	IL11032042	4/7/2005	Midwest REM	22.58	Onyx Zion Landfill Zion, IL	
2265	IL11032043	4/7/2005	Midwest REM	18.08	Onyx Zion Landfill Zion, IL	
2266	IL11032044	4/7/2005	Midwest REM	19.47	Onyx Zion Landfill Zion, IL	
2267	IL11032045	4/7/2005	Midwest REM	17.54	Onyx Zion Landfill Zion, IL	
2268	IL11032046	4/7/2005	Midwest REM	19.39	Onyx Zion Landfill Zion, IL	
2269	IL11032047	4/7/2005	Midwest REM	22.11	Onyx Zion Landfill Zion, IL	
2270	IL11032048	4/7/2005	Midwest REM	19.29	Onyx Zion Landfill Zion, IL	
2271	IL11032049	4/7/2005	Midwest REM	19.92	Onyx Zion Landfill Zion, IL	
2272	IL11032050	4/7/2005	Midwest REM	17.92	Onyx Zion Landfill Zion, IL	
2273	IL11032051	4/7/2005	Midwest REM	18.37	Onyx Zion Landfill Zion, IL	
2274	IL11032052	4/7/2005	Midwest REM	17.79	Onyx Zion Landfill Zion, IL	
2275	IL11032053	4/7/2005	Midwest REM	20.11	Onyx Zion Landfill Zion, IL	
2276	IL11032054	4/7/2005	Midwest REM	19.31	Onyx Zion Landfill Zion, IL	
2277	IL11032055	4/7/2005	Midwest REM	18.36	Onyx Zion Landfill Zion, IL	
2278	IL11032056	4/7/2005	Midwest REM	18.28	Onyx Zion Landfill Zion, IL	
2279	IL11032057	4/7/2005	Midwest REM	17.44	Onyx Zion Landfill Zion, IL	
2280	IL11032058	4/7/2005	Midwest REM	17.35	Onyx Zion Landfill Zion, IL	
2281	IL11032059	4/7/2005	Midwest REM	19.02	Onyx Zion Landfill Zion, IL	
2282	IL11032060	4/7/2005	Midwest REM	18.53	Onyx Zion Landfill Zion, IL	
2283	IL11032061	4/7/2005	Midwest REM	15.56	Onyx Zion Landfill Zion, IL	
2284	IL11032062	4/7/2005	Midwest REM	18.27	Onyx Zion Landfill Zion, IL	
2285	IL11032063	4/7/2005	Midwest REM	16.46	Onyx Zion Landfill Zion, IL	
2286	IL11032064	4/7/2005	Midwest REM	21.33	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
2287	IL11032065	4/7/2005	Midwest REM	15.98	Onyx Zion Landfill Zion, IL	
2288	IL11032066	4/7/2005	Midwest REM	16.93	Onyx Zion Landfill Zion, IL	
2289	IL11032067	4/7/2005	Midwest REM	19.81	Onyx Zion Landfill Zion, IL	
2290	IL11032068	4/7/2005	Midwest REM	17.63	Onyx Zion Landfill Zion, IL	
2291	IL11032069	4/7/2005	Midwest REM	20.85	Onyx Zion Landfill Zion, IL	
2292	IL11032070	4/7/2005	Midwest REM	19.95	Onyx Zion Landfill Zion, IL	
2293	IL11032071	4/7/2005	Midwest REM	19.83	Onyx Zion Landfill Zion, IL	
2294	IL11032072	4/7/2005	Midwest REM	19.59	Onyx Zion Landfill Zion, IL	
2295	IL11032073	4/7/2005	Midwest REM	19.79	Onyx Zion Landfill Zion, IL	
2296	IL11032074	4/7/2005	Midwest REM	18.87	Onyx Zion Landfill Zion, IL	
2297	IL11032075	4/7/2005	Midwest REM	20.37	Onyx Zion Landfill Zion, IL	
2298	IL11032076	4/7/2005	Midwest REM	18.37	Onyx Zion Landfill Zion, IL	
2299	IL11032077	4/7/2005	Midwest REM	16.81	Onyx Zion Landfill Zion, IL	
2300	IL11032078	4/7/2005	Midwest REM	18.86	Onyx Zion Landfill Zion, IL	
2301	IL11032079	4/7/2005	Midwest REM	17.77	Onyx Zion Landfill Zion, IL	
2302	IL11032080	4/7/2005	Midwest REM	18.78	Onyx Zion Landfill Zion, IL	
2303	IL11032081	4/7/2005	Midwest REM	19.55	Onyx Zion Landfill Zion, IL	
2304	IL11032082	4/7/2005	Midwest REM	16.59	Onyx Zion Landfill Zion, IL	
2305	IL11032083	4/7/2005	Midwest REM	18.40	Onyx Zion Landfill Zion, IL	
2306	IL11032084	4/7/2005	Midwest REM	17.57	Onyx Zion Landfill Zion, IL	
2307	IL11032085	4/7/2005	Midwest REM	17.54	Onyx Zion Landfill Zion, IL	
2308	IL11032086	4/7/2005	Midwest REM	20.02	Onyx Zion Landfill Zion, IL	
2309	IL11032087	4/7/2005	Midwest REM	20.61	Onyx Zion Landfill Zion, IL	
2310	IL11032088	4/7/2005	Midwest REM	17.79	Onyx Zion Landfill Zion, IL	
2311	IL11032089	4/7/2005	Midwest REM	20.98	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
2312	IL11032090	4/7/2005	Midwest REM	18.97	Onyx Zion Landfill Zion, IL	
2313	IL11032091	4/7/2005	Midwest REM	18.11	Onyx Zion Landfill Zion, IL	
2314	IL11032092	4/7/2005	Midwest REM	17.14	Onyx Zion Landfill Zion, IL	
2315	IL11032093	4/7/2005	Midwest REM	20.87	Onyx Zion Landfill Zion, IL	
2316	IL11032094	4/7/2005	Midwest REM	17.47	Onyx Zion Landfill Zion, IL	
2317	IL11032095	4/7/2005	Midwest REM	18.65	Onyx Zion Landfill Zion, IL	
2318	IL11032096	4/7/2005	Midwest REM	20.61	Onyx Zion Landfill Zion, IL	
2319	IL11032097	4/7/2005	Midwest REM	16.83	Onyx Zion Landfill Zion, IL	
2320	IL11032098	4/7/2005	Midwest REM	22.13	Onyx Zion Landfill Zion, IL	
2321	IL11032099	4/7/2005	Midwest REM	19.20	Onyx Zion Landfill Zion, IL	
2322	IL11032100	4/7/2005	Midwest REM	17.90	Onyx Zion Landfill Zion, IL	
2323	IL11032101	4/7/2005	Midwest REM	15.70	Onyx Zion Landfill Zion, IL	
2324	IL11032102	4/7/2005	Midwest REM	17.67	Onyx Zion Landfill Zion, IL	
2325	IL11032103	4/7/2005	Midwest REM	18.12	Onyx Zion Landfill Zion, IL	Concrete
2326	IL11032104	4/7/2005	Midwest REM	24.06	Onyx Zion Landfill Zion, IL	Concrete
2327	IL11032105	4/7/2005	Midwest REM	24.62	Onyx Zion Landfill Zion, IL	Concrete
2328	IL11032106	4/7/2005	Midwest REM	22.73	Onyx Zion Landfill Zion, IL	Concrete
2329	IL11032107	4/7/2005	Midwest REM	26.41	Onyx Zion Landfill Zion, IL	Concrete
SUBTOTAL WEIGHT- 4/7/05				1,828.37		
2330	IL11032108	4/8/2005	Midwest REM	22.83	Onyx Zion Landfill Zion, IL	Concrete
2331	IL11032109	4/8/2005	Midwest REM	17.85	Onyx Zion Landfill Zion, IL	Concrete
2332	IL11032110	4/8/2005	Midwest REM	18.84	Onyx Zion Landfill Zion, IL	Concrete
2333	IL11032111	4/8/2005	Midwest REM	18.97	Onyx Zion Landfill Zion, IL	Concrete
2334	IL11032112	4/8/2005	Midwest REM	22.43	Onyx Zion Landfill Zion, IL	Concrete
SUBTOTAL WEIGHT- 4/8/05				100.92		

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2335	IL11032113	4/25/2005	Midwest REM	21.24	Onyx Zion Landfill Zion, IL	
2336	IL11032114	4/25/2005	Midwest REM	21.81	Onyx Zion Landfill Zion, IL	
2337	IL11032115	4/25/2005	Midwest REM	20.02	Onyx Zion Landfill Zion, IL	
2338	IL11032116	4/25/2005	Midwest REM	19.65	Onyx Zion Landfill Zion, IL	
2339	IL11032117	4/25/2005	Midwest REM	24.60	Onyx Zion Landfill Zion, IL	
2340	IL11032118	4/25/2005	Midwest REM	19.70	Onyx Zion Landfill Zion, IL	
2341	IL11032119	4/25/2005	Midwest REM	24.15	Onyx Zion Landfill Zion, IL	
2342	IL11032120	4/25/2005	Midwest REM	21.54	Onyx Zion Landfill Zion, IL	
2343	IL11032121	4/25/2005	Midwest REM	23.30	Onyx Zion Landfill Zion, IL	
2344	IL11032122	4/25/2005	Midwest REM	21.68	Onyx Zion Landfill Zion, IL	
2345	IL11032123	4/25/2005	Midwest REM	22.84	Onyx Zion Landfill Zion, IL	
2346	IL11032124	4/25/2005	Midwest REM	20.50	Onyx Zion Landfill Zion, IL	
2347	IL11032125	4/25/2005	Midwest REM	20.76	Onyx Zion Landfill Zion, IL	
2348	IL11032126	4/25/2005	Midwest REM	18.84	Onyx Zion Landfill Zion, IL	
2349	IL11032127	4/25/2005	Midwest REM	20.16	Onyx Zion Landfill Zion, IL	
2350	IL11032128	4/25/2005	Midwest REM	21.07	Onyx Zion Landfill Zion, IL	
2351	IL11032129	4/25/2005	Midwest REM	22.44	Onyx Zion Landfill Zion, IL	
2352	IL11032130	4/25/2005	Midwest REM	21.38	Onyx Zion Landfill Zion, IL	
2353	IL11032131	4/25/2005	Midwest REM	22.86	Onyx Zion Landfill Zion, IL	
2354	IL11032132	4/25/2005	Midwest REM	21.14	Onyx Zion Landfill Zion, IL	
2355	IL11032133	4/25/2005	Midwest REM	22.27	Onyx Zion Landfill Zion, IL	
2356	IL11032134	4/25/2005	Midwest REM	22.13	Onyx Zion Landfill Zion, IL	
2357	IL11032135	4/25/2005	Midwest REM	22.24	Onyx Zion Landfill Zion, IL	
2358	IL11032136	4/25/2005	Midwest REM	20.57	Onyx Zion Landfill Zion, IL	
2359	IL11032137	4/25/2005	Midwest REM	21.86	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2360	IL11032138	4/25/2005	Midwest REM	20.88	Onyx Zion Landfill Zion, IL	
2361	IL11032139	4/25/2005	Midwest REM	23.55	Onyx Zion Landfill Zion, IL	
2362	IL11032140	4/25/2005	Midwest REM	21.44	Onyx Zion Landfill Zion, IL	
2363	IL11032141	4/25/2005	Midwest REM	21.68	Onyx Zion Landfill Zion, IL	
2364	IL11032142	4/25/2005	Midwest REM	20.79	Onyx Zion Landfill Zion, IL	
2365	IL11032143	4/25/2005	Midwest REM	21.15	Onyx Zion Landfill Zion, IL	
2366	IL11032144	4/25/2005	Midwest REM	23.80	Onyx Zion Landfill Zion, IL	
2367	IL11032145	4/25/2005	Midwest REM	23.31	Onyx Zion Landfill Zion, IL	
2368	IL11032146	4/25/2005	Midwest REM	20.76	Onyx Zion Landfill Zion, IL	
2369	IL11032147	4/25/2005	Midwest REM	21.50	Onyx Zion Landfill Zion, IL	
2370	IL11032148	4/25/2005	Midwest REM	20.37	Onyx Zion Landfill Zion, IL	
2371	IL11032149	4/25/2005	Midwest REM	20.98	Onyx Zion Landfill Zion, IL	
2372	IL11032150	4/25/2005	Midwest REM	20.58	Onyx Zion Landfill Zion, IL	
2373	IL11032151	4/25/2005	Midwest REM	20.25	Onyx Zion Landfill Zion, IL	
2374	IL11032152	4/25/2005	Midwest REM	22.57	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 4/25/05				862.36		
2375	IL11032153	4/26/2005	Midwest REM	20.49	Onyx Zion Landfill Zion, IL	
2376	IL11032154	4/26/2005	Midwest REM	20.26	Onyx Zion Landfill Zion, IL	
2377	IL11032155	4/26/2005	Midwest REM	20.93	Onyx Zion Landfill Zion, IL	
2378	IL11032156	4/26/2005	Midwest REM	20.86	Onyx Zion Landfill Zion, IL	
2379	IL11032157	4/26/2005	Midwest REM	21.38	Onyx Zion Landfill Zion, IL	
2380	IL11032158	4/26/2005	Midwest REM	22.27	Onyx Zion Landfill Zion, IL	
2381	IL11032159	4/26/2005	Midwest REM	21.52	Onyx Zion Landfill Zion, IL	
2382	IL11032160	4/26/2005	Midwest REM	22.22	Onyx Zion Landfill Zion, IL	
2383	IL11032161	4/26/2005	Midwest REM	22.58	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2384	IL11032162	4/26/2005	Midwest REM	21.47	Onyx Zion Landfill Zion, IL	
2385	IL11032163	4/26/2005	Midwest REM	20.64	Onyx Zion Landfill Zion, IL	
2386	IL11032164	4/26/2005	Midwest REM	23.05	Onyx Zion Landfill Zion, IL	
2387	IL11032165	4/26/2005	Midwest REM	20.11	Onyx Zion Landfill Zion, IL	
2388	IL11032166	4/26/2005	Midwest REM	21.19	Onyx Zion Landfill Zion, IL	
2389	IL11032167	4/26/2005	Midwest REM	20.75	Onyx Zion Landfill Zion, IL	
2390	IL11032168	4/26/2005	Midwest REM	21.63	Onyx Zion Landfill Zion, IL	
2391	IL11032169	4/26/2005	Midwest REM	18.14	Onyx Zion Landfill Zion, IL	
2392	IL11032170	4/26/2005	Midwest REM	17.58	Onyx Zion Landfill Zion, IL	
2393	IL11032171	4/26/2005	Midwest REM	20.92	Onyx Zion Landfill Zion, IL	
2394	IL11032172	4/26/2005	Midwest REM	23.17	Onyx Zion Landfill Zion, IL	
2395	IL11032173	4/26/2005	Midwest REM	17.04	Onyx Zion Landfill Zion, IL	
2396	IL11032174	4/26/2005	Midwest REM	18.81	Onyx Zion Landfill Zion, IL	
2397	IL11032175	4/26/2005	Midwest REM	19.70	Onyx Zion Landfill Zion, IL	
2398	IL11032176	4/26/2005	Midwest REM	18.56	Onyx Zion Landfill Zion, IL	
2399	IL11032177	4/26/2005	Midwest REM	18.55	Onyx Zion Landfill Zion, IL	
2400	IL11032178	4/26/2005	Midwest REM	19.00	Onyx Zion Landfill Zion, IL	
2401	IL11032179	4/26/2005	Midwest REM	21.23	Onyx Zion Landfill Zion, IL	
2402	IL11032180	4/26/2005	Midwest REM	21.24	Onyx Zion Landfill Zion, IL	
2403	IL11032181	4/26/2005	Midwest REM	16.68	Onyx Zion Landfill Zion, IL	
2404	IL11032182	4/26/2005	Midwest REM	19.89	Onyx Zion Landfill Zion, IL	
2405	IL11032183	4/26/2005	Midwest REM	19.18	Onyx Zion Landfill Zion, IL	
2406	IL11032184	4/26/2005	Midwest REM	19.13	Onyx Zion Landfill Zion, IL	
2407	IL11032185	4/26/2005	Midwest REM	18.64	Onyx Zion Landfill Zion, IL	
2408	IL11032186	4/26/2005	Midwest REM	19.88	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2409	IL11032187	4/26/2005	Midwest REM	20.02	Onyx Zion Landfill Zion, IL	
2410	IL11032188	4/26/2005	Midwest REM	19.81	Onyx Zion Landfill Zion, IL	
2411	IL11032189	4/26/2005	Midwest REM	19.05	Onyx Zion Landfill Zion, IL	
2412	IL11032190	4/26/2005	Midwest REM	20.51	Onyx Zion Landfill Zion, IL	
2413	IL11032191	4/26/2005	Midwest REM	22.08	Onyx Zion Landfill Zion, IL	
2414	IL11032192	4/26/2005	Midwest REM	19.52	Onyx Zion Landfill Zion, IL	
2415	IL11032193	4/26/2005	Midwest REM	19.81	Onyx Zion Landfill Zion, IL	
2416	IL11032194	4/26/2005	Midwest REM	18.75	Onyx Zion Landfill Zion, IL	
2417	IL11032195	4/26/2005	Midwest REM	20.37	Onyx Zion Landfill Zion, IL	
2418	IL11032196	4/26/2005	Midwest REM	20.14	Onyx Zion Landfill Zion, IL	
2419	IL11032197	4/26/2005	Midwest REM	18.17	Onyx Zion Landfill Zion, IL	
2420	IL11032198	4/26/2005	Midwest REM	18.13	Onyx Zion Landfill Zion, IL	
2421	IL11032199	4/26/2005	Midwest REM	20.16	Onyx Zion Landfill Zion, IL	
2422	IL11032200	4/26/2005	Midwest REM	20.64	Onyx Zion Landfill Zion, IL	
2423	IL11032201	4/26/2005	Midwest REM	20.81	Onyx Zion Landfill Zion, IL	
2424	IL11032202	4/26/2005	Midwest REM	20.12	Onyx Zion Landfill Zion, IL	
2425	IL11032203	4/26/2005	Midwest REM	19.18	Onyx Zion Landfill Zion, IL	
2426	IL11032204	4/26/2005	Midwest REM	22.31	Onyx Zion Landfill Zion, IL	
2427	IL11032205	4/26/2005	Midwest REM	19.15	Onyx Zion Landfill Zion, IL	
2428	IL11032206	4/26/2005	Midwest REM	19.72	Onyx Zion Landfill Zion, IL	
2429	IL11032207	4/26/2005	Midwest REM	22.03	Onyx Zion Landfill Zion, IL	
2430	IL11032208	4/26/2005	Midwest REM	21.43	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 4/26/05	1,130.60	
2431	IL11032209	4/27/2005	Midwest REM	19.45	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2432	IL11032210	4/27/2005	Midwest REM	18.18	Onyx Zion Landfill Zion, IL	
2433	IL11032211	4/27/2005	Midwest REM	19.14	Onyx Zion Landfill Zion, IL	
2434	IL11032212	4/27/2005	Midwest REM	18.22	Onyx Zion Landfill Zion, IL	
2435	IL11032213	4/27/2005	Midwest REM	17.93	Onyx Zion Landfill Zion, IL	
2436	IL11032214	4/27/2005	Midwest REM	20.76	Onyx Zion Landfill Zion, IL	
2437	IL11032215	4/27/2005	Midwest REM	17.63	Onyx Zion Landfill Zion, IL	
2438	IL11032216	4/27/2005	Midwest REM	18.32	Onyx Zion Landfill Zion, IL	
2439	IL11032217	4/27/2005	Midwest REM	18.83	Onyx Zion Landfill Zion, IL	
2440	IL11032218	4/27/2005	Midwest REM	19.91	Onyx Zion Landfill Zion, IL	
2441	IL11032219	4/27/2005	Midwest REM	18.46	Onyx Zion Landfill Zion, IL	
2442	IL11032220	4/27/2005	Midwest REM	20.76	Onyx Zion Landfill Zion, IL	
2443	IL11032221	4/27/2005	Midwest REM	17.75	Onyx Zion Landfill Zion, IL	
2444	IL11032222	4/27/2005	Midwest REM	20.72	Onyx Zion Landfill Zion, IL	
2445	IL11032223	4/27/2005	Midwest REM	18.40	Onyx Zion Landfill Zion, IL	
2446	IL11032224	4/27/2005	Midwest REM	20.04	Onyx Zion Landfill Zion, IL	
2447	IL11032225	4/27/2005	Midwest REM	17.92	Onyx Zion Landfill Zion, IL	
2448	IL11032226	4/27/2005	Midwest REM	20.56	Onyx Zion Landfill Zion, IL	
2449	IL11032227	4/27/2005	Midwest REM	19.46	Onyx Zion Landfill Zion, IL	
2450	IL11032228	4/27/2005	Midwest REM	18.08	Onyx Zion Landfill Zion, IL	
2451	IL11032229	4/27/2005	Midwest REM	18.20	Onyx Zion Landfill Zion, IL	
2452	IL11032230	4/27/2005	Midwest REM	17.74	Onyx Zion Landfill Zion, IL	
2453	IL11032231	4/27/2005	Midwest REM	19.35	Onyx Zion Landfill Zion, IL	
2454	IL11032232	4/27/2005	Midwest REM	18.64	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 4/27/05				454.45		

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
SUBTOTAL WEIGHT- APRIL 2005				8,927.50		
2455	IL11032233	5/3/2005	Midwest REM	18.47	Onyx Zion Landfill Zion, IL	
2456	IL11032234	5/3/2005	Midwest REM	15.63	Onyx Zion Landfill Zion, IL	
2457	IL11032235	5/3/2005	Midwest REM	14.39	Onyx Zion Landfill Zion, IL	
2458	IL11032236	5/3/2005	Midwest REM	16.44	Onyx Zion Landfill Zion, IL	
2459	IL11032237	5/3/2005	Midwest REM	16.21	Onyx Zion Landfill Zion, IL	
2460	IL11032238	5/3/2005	Midwest REM	17.13	Onyx Zion Landfill Zion, IL	
2461	IL11032239	5/3/2005	Midwest REM	19.21	Onyx Zion Landfill Zion, IL	
2462	IL11032240	5/3/2005	Midwest REM	15.37	Onyx Zion Landfill Zion, IL	
2463	IL11032241	5/3/2005	Midwest REM	18.23	Onyx Zion Landfill Zion, IL	
2464	IL11032242	5/3/2005	Midwest REM	15.12	Onyx Zion Landfill Zion, IL	
2465	IL11032243	5/3/2005	Midwest REM	16.84	Onyx Zion Landfill Zion, IL	
2466	IL11032244	5/3/2005	Midwest REM	16.45	Onyx Zion Landfill Zion, IL	
2467	IL11032245	5/3/2005	Midwest REM	17.27	Onyx Zion Landfill Zion, IL	
2468	IL11032246	5/3/2005	Midwest REM	19.47	Onyx Zion Landfill Zion, IL	
2469	IL11032247	5/3/2005	Midwest REM	17.77	Onyx Zion Landfill Zion, IL	
2470	IL11032248	5/3/2005	Midwest REM	18.38	Onyx Zion Landfill Zion, IL	
2471	IL11032249	5/3/2005	Midwest REM	18.51	Onyx Zion Landfill Zion, IL	
2472	IL11032250	5/3/2005	Midwest REM	18.51	Onyx Zion Landfill Zion, IL	
2473	IL11032721	5/3/2005	Midwest REM	16.67	Onyx Zion Landfill Zion, IL	
2474	IL11032723	5/3/2005	Midwest REM	19.43	Onyx Zion Landfill Zion, IL	
2475	IL11032725	5/3/2005	Midwest REM	21.22	Onyx Zion Landfill Zion, IL	
2476	IL11032726	5/3/2005	Midwest REM	17.83	Onyx Zion Landfill Zion, IL	
2477	IL11032727	5/3/2005	Midwest REM	16.41	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2478	IL11032729	5/3/2005	Midwest REM	19.51	Onyx Zion Landfill Zion, IL	
2479	IL11032730	5/3/2005	Midwest REM	20.18	Onyx Zion Landfill Zion, IL	
2480	IL11032731	5/3/2005	Midwest REM	20.30	Onyx Zion Landfill Zion, IL	
2481	IL11032732	5/3/2005	Midwest REM	19.87	Onyx Zion Landfill Zion, IL	
2482	IL11032733	5/3/2005	Midwest REM	22.32	Onyx Zion Landfill Zion, IL	
2483	IL11032734	5/3/2005	Midwest REM	18.50	Onyx Zion Landfill Zion, IL	
2484	IL11032735	5/3/2005	Midwest REM	19.34	Onyx Zion Landfill Zion, IL	
2485	IL11032736	5/3/2005	Midwest REM	20.04	Onyx Zion Landfill Zion, IL	
2486	IL11032737	5/3/2005	Midwest REM	19.17	Onyx Zion Landfill Zion, IL	
2487	IL11032738	5/3/2005	Midwest REM	18.31	Onyx Zion Landfill Zion, IL	
2488	IL11032739	5/3/2005	Midwest REM	20.66	Onyx Zion Landfill Zion, IL	
2489	IL11032740	5/3/2005	Midwest REM	21.90	Onyx Zion Landfill Zion, IL	
2490	IL11032741	5/3/2005	Midwest REM	20.66	Onyx Zion Landfill Zion, IL	
2491	IL11032742	5/3/2005	Midwest REM	19.52	Onyx Zion Landfill Zion, IL	
2492	IL11032743	5/3/2005	Midwest REM	20.41	Onyx Zion Landfill Zion, IL	
2493	IL11032744	5/3/2005	Midwest REM	20.04	Onyx Zion Landfill Zion, IL	
2494	IL11032745	5/3/2005	Midwest REM	17.25	Onyx Zion Landfill Zion, IL	
2495	IL11032746	5/3/2005	Midwest REM	18.40	Onyx Zion Landfill Zion, IL	
2496	IL11032747	5/3/2005	Midwest REM	16.44	Onyx Zion Landfill Zion, IL	
2497	IL11032748	5/3/2005	Midwest REM	16.14	Onyx Zion Landfill Zion, IL	
2498	IL11032749	5/3/2005	Midwest REM	17.59	Onyx Zion Landfill Zion, IL	
2499	IL11032750	5/3/2005	Midwest REM	17.95	Onyx Zion Landfill Zion, IL	
2500	IL11032751	5/3/2005	Midwest REM	16.56	Onyx Zion Landfill Zion, IL	
2501	IL11032752	5/3/2005	Midwest REM	18.93	Onyx Zion Landfill Zion, IL	
2502	IL11032753	5/3/2005	Midwest REM	15.34	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>		<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2503	IL11032754	5/3/2005	Midwest REM		16.11	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 5/3/05	892.40		
2504	IL11032755	5/4/2005	Midwest REM		15.77	Onyx Zion Landfill Zion, IL	
2505	IL11032756	5/4/2005	Midwest REM		16.46	Onyx Zion Landfill Zion, IL	
2506	IL11032757	5/4/2005	Midwest REM		16.80	Onyx Zion Landfill Zion, IL	
2507	IL11032758	5/4/2005	Midwest REM		17.91	Onyx Zion Landfill Zion, IL	
2508	IL11032759	5/4/2005	Midwest REM		17.56	Onyx Zion Landfill Zion, IL	
2509	IL11032760	5/4/2005	Midwest REM		18.61	Onyx Zion Landfill Zion, IL	
2510	IL11032761	5/4/2005	Midwest REM		17.97	Onyx Zion Landfill Zion, IL	
2511	IL11032762	5/4/2005	Midwest REM		16.79	Onyx Zion Landfill Zion, IL	
2512	IL11032763	5/4/2005	Midwest REM		18.39	Onyx Zion Landfill Zion, IL	
2513	IL11032764	5/4/2005	Midwest REM		18.86	Onyx Zion Landfill Zion, IL	
2514	IL11032765	5/4/2005	Midwest REM		19.69	Onyx Zion Landfill Zion, IL	
2515	IL11032766	5/4/2005	Midwest REM		18.77	Onyx Zion Landfill Zion, IL	
2516	IL11032767	5/4/2005	Midwest REM		18.72	Onyx Zion Landfill Zion, IL	
2517	IL11032768	5/4/2005	Midwest REM		17.87	Onyx Zion Landfill Zion, IL	
2518	IL11032769	5/4/2005	Midwest REM		18.72	Onyx Zion Landfill Zion, IL	
2519	IL11032770	5/4/2005	Midwest REM		19.26	Onyx Zion Landfill Zion, IL	
2520	IL11032771	5/4/2005	Midwest REM		15.02	Onyx Zion Landfill Zion, IL	
2521	IL11032772	5/4/2005	Midwest REM		14.26	Onyx Zion Landfill Zion, IL	
2522	IL11032773	5/4/2005	Midwest REM		15.42	Onyx Zion Landfill Zion, IL	
2523	IL11032774	5/4/2005	Midwest REM		13.20	Onyx Zion Landfill Zion, IL	
2524	IL11032775	5/4/2005	Midwest REM		14.07	Onyx Zion Landfill Zion, IL	
2525	IL11032776	5/4/2005	Midwest REM		16.29	Onyx Zion Landfill Zion, IL	
2526	IL11032777	5/4/2005	Midwest REM		15.92	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2527	IL11032778	5/4/2005	Midwest REM	15.91	Onyx Zion Landfill Zion, IL	
2528	IL11032779	5/4/2005	Midwest REM	17.76	Onyx Zion Landfill Zion, IL	
2529	IL11032780	5/4/2005	Midwest REM	14.37	Onyx Zion Landfill Zion, IL	
2530	IL11032781	5/4/2005	Midwest REM	17.45	Onyx Zion Landfill Zion, IL	
2531	IL11032782	5/4/2005	Midwest REM	16.86	Onyx Zion Landfill Zion, IL	
2532	IL11032783	5/4/2005	Midwest REM	17.36	Onyx Zion Landfill Zion, IL	
2533	IL11032784	5/4/2005	Midwest REM	16.89	Onyx Zion Landfill Zion, IL	
2534	IL11032785	5/4/2005	Midwest REM	14.74	Onyx Zion Landfill Zion, IL	
2535	IL11032786	5/4/2005	Midwest REM	13.17	Onyx Zion Landfill Zion, IL	
2536	IL11032787	5/4/2005	Midwest REM	18.39	Onyx Zion Landfill Zion, IL	
2537	IL11032788	5/4/2005	Midwest REM	17.28	Onyx Zion Landfill Zion, IL	
2538	IL11032789	5/4/2005	Midwest REM	19.57	Onyx Zion Landfill Zion, IL	
2539	IL11032790	5/4/2005	Midwest REM	16.91	Onyx Zion Landfill Zion, IL	
2540	IL11032791	5/4/2005	Midwest REM	15.72	Onyx Zion Landfill Zion, IL	
2541	IL11032792	5/4/2005	Midwest REM	14.39	Onyx Zion Landfill Zion, IL	
2542	IL11032793	5/4/2005	Midwest REM	15.87	Onyx Zion Landfill Zion, IL	
2543	IL11032794	5/4/2005	Midwest REM	15.46	Onyx Zion Landfill Zion, IL	
2544	IL11032795	5/4/2005	Midwest REM	15.72	Onyx Zion Landfill Zion, IL	
2545	IL11032796	5/4/2005	Midwest REM	18.47	Onyx Zion Landfill Zion, IL	
2546	IL11032797	5/4/2005	Midwest REM	15.97	Onyx Zion Landfill Zion, IL	
2547	IL11032798	5/4/2005	Midwest REM	17.07	Onyx Zion Landfill Zion, IL	
2548	IL11032799	5/4/2005	Midwest REM	16.81	Onyx Zion Landfill Zion, IL	
2549	IL11032800	5/4/2005	Midwest REM	18.72	Onyx Zion Landfill Zion, IL	
2550	IL11032801	5/4/2005	Midwest REM	13.56	Onyx Zion Landfill Zion, IL	
2551	IL11032802	5/4/2005	Midwest REM	17.20	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2552	IL11032803	5/4/2005	Midwest REM	18.67	Onyx Zion Landfill Zion, IL	
2553	IL11032804	5/4/2005	Midwest REM	16.32	Onyx Zion Landfill Zion, IL	
2554	IL11032805	5/4/2005	Midwest REM	16.53	Onyx Zion Landfill Zion, IL	
2555	IL11032806	5/4/2005	Midwest REM	18.70	Onyx Zion Landfill Zion, IL	
2556	IL11032807	5/4/2005	Midwest REM	20.20	Onyx Zion Landfill Zion, IL	
2557	IL11032808	5/4/2005	Midwest REM	15.97	Onyx Zion Landfill Zion, IL	
2558	IL11032809	5/4/2005	Midwest REM	17.71	Onyx Zion Landfill Zion, IL	
2559	IL11032810	5/4/2005	Midwest REM	15.12	Onyx Zion Landfill Zion, IL	
2560	IL11032811	5/4/2005	Midwest REM	16.98	Onyx Zion Landfill Zion, IL	
2561	IL11032812	5/4/2005	Midwest REM	19.42	Onyx Zion Landfill Zion, IL	
2562	IL11032813	5/4/2005	Midwest REM	15.63	Onyx Zion Landfill Zion, IL	
2563	IL11032814	5/4/2005	Midwest REM	19.24	Onyx Zion Landfill Zion, IL	
2564	IL11032815	5/4/2005	Midwest REM	19.93	Onyx Zion Landfill Zion, IL	
2565	IL11032816	5/4/2005	Midwest REM	20.59	Onyx Zion Landfill Zion, IL	
2566	IL11032817	5/4/2005	Midwest REM	19.38	Onyx Zion Landfill Zion, IL	
2567	IL11032818	5/4/2005	Midwest REM	17.60	Onyx Zion Landfill Zion, IL	
2568	IL11032819	5/4/2005	Midwest REM	20.73	Onyx Zion Landfill Zion, IL	
2569	IL11032820	5/4/2005	Midwest REM	22.60	Onyx Zion Landfill Zion, IL	
2570	IL11032821	5/4/2005	Midwest REM	18.28	Onyx Zion Landfill Zion, IL	
2571	IL11032822	5/4/2005	Midwest REM	22.19	Onyx Zion Landfill Zion, IL	
2572	IL11032823	5/4/2005	Midwest REM	18.85	Onyx Zion Landfill Zion, IL	
2573	IL11032824	5/4/2005	Midwest REM	15.60	Onyx Zion Landfill Zion, IL	
2574	IL11032825	5/4/2005	Midwest REM	20.67	Onyx Zion Landfill Zion, IL	
2575	IL11032826	5/4/2005	Midwest REM	18.93	Onyx Zion Landfill Zion, IL	
2576	IL11032827	5/4/2005	Midwest REM	17.82	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2577	IL11032828	5/4/2005	Midwest REM	20.70	Onyx Zion Landfill Zion, IL	
2578	IL11032829	5/4/2005	Midwest REM	21.37	Onyx Zion Landfill Zion, IL	
2579	IL11032830	5/4/2005	Midwest REM	20.04	Onyx Zion Landfill Zion, IL	
2580	IL11032831	5/4/2005	Midwest REM	17.14	Onyx Zion Landfill Zion, IL	
2581	IL11032832	5/4/2005	Midwest REM	18.29	Onyx Zion Landfill Zion, IL	
2582	IL11032833	5/4/2005	Midwest REM	18.21	Onyx Zion Landfill Zion, IL	
2583	IL11032834	5/4/2005	Midwest REM	17.98	Onyx Zion Landfill Zion, IL	
2584	IL11032835	5/4/2005	Midwest REM	18.70	Onyx Zion Landfill Zion, IL	
2585	IL11032836	5/4/2005	Midwest REM	19.07	Onyx Zion Landfill Zion, IL	
2586	IL11032837	5/4/2005	Midwest REM	20.70	Onyx Zion Landfill Zion, IL	
2587	IL11032838	5/4/2005	Midwest REM	16.52	Onyx Zion Landfill Zion, IL	
2588	IL11032839	5/4/2005	Midwest REM	20.44	Onyx Zion Landfill Zion, IL	
2589	IL11032840	5/4/2005	Midwest REM	19.45	Onyx Zion Landfill Zion, IL	
2590	IL11032841	5/4/2005	Midwest REM	19.07	Onyx Zion Landfill Zion, IL	
2591	IL11032842	5/4/2005	Midwest REM	20.62	Onyx Zion Landfill Zion, IL	
2592	IL11032843	5/4/2005	Midwest REM	18.86	Onyx Zion Landfill Zion, IL	
2593	IL11032845	5/4/2005	Midwest REM	21.07	Onyx Zion Landfill Zion, IL	
2594	IL11032846	5/4/2005	Midwest REM	20.89	Onyx Zion Landfill Zion, IL	
2595	IL11032847	5/4/2005	Midwest REM	20.57	Onyx Zion Landfill Zion, IL	
2596	IL11032848	5/4/2005	Midwest REM	20.66	Onyx Zion Landfill Zion, IL	
2597	IL11032849	5/4/2005	Midwest REM	24.71	Onyx Zion Landfill Zion, IL	
2598	IL11032850	5/4/2005	Midwest REM	20.41	Onyx Zion Landfill Zion, IL	
2599	IL11032851	5/4/2005	Midwest REM	20.70	Onyx Zion Landfill Zion, IL	
2600	IL11032852	5/4/2005	Midwest REM	18.94	Onyx Zion Landfill Zion, IL	
2601	IL11032853	5/4/2005	Midwest REM	22.60	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2602	IL11032854	5/4/2005	Midwest REM	20.21	Onyx Zion Landfill Zion, IL	
2603	IL11032855	5/4/2005	Midwest REM	18.57	Onyx Zion Landfill Zion, IL	
2604	IL11032856	5/4/2005	Midwest REM	17.73	Onyx Zion Landfill Zion, IL	
2605	IL11032857	5/4/2005	Midwest REM	21.39	Onyx Zion Landfill Zion, IL	
2606	IL11032858	5/4/2005	Midwest REM	20.57	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 5/4/05	1,863.79	
2607	IL11032859	5/19/2005	Midwest REM	16.99	Onyx Zion Landfill Zion, IL	
2608	IL11032860	5/19/2005	Midwest REM	17.65	Onyx Zion Landfill Zion, IL	
2609	IL11032861	5/19/2005	Midwest REM	15.09	Onyx Zion Landfill Zion, IL	
2610	IL11032862	5/19/2005	Midwest REM	16.96	Onyx Zion Landfill Zion, IL	
2611	IL11032863	5/19/2005	Midwest REM	17.49	Onyx Zion Landfill Zion, IL	
2612	IL11032864	5/19/2005	Midwest REM	18.45	Onyx Zion Landfill Zion, IL	
2613	IL11032865	5/19/2005	Midwest REM	15.14	Onyx Zion Landfill Zion, IL	
2614	IL11032866	5/19/2005	Midwest REM	17.69	Onyx Zion Landfill Zion, IL	
2615	IL11032867	5/19/2005	Midwest REM	17.58	Onyx Zion Landfill Zion, IL	
2616	IL11032868	5/19/2005	Midwest REM	17.35	Onyx Zion Landfill Zion, IL	
2617	IL11032869	5/19/2005	Midwest REM	17.21	Onyx Zion Landfill Zion, IL	
2618	IL11032870	5/19/2005	Midwest REM	17.05	Onyx Zion Landfill Zion, IL	
2619	IL11032871	5/19/2005	Midwest REM	19.81	Onyx Zion Landfill Zion, IL	
2620	IL11032872	5/19/2005	Midwest REM	16.61	Onyx Zion Landfill Zion, IL	
2621	IL11032873	5/19/2005	Midwest REM	18.02	Onyx Zion Landfill Zion, IL	
2622	IL11032874	5/19/2005	Midwest REM	20.82	Onyx Zion Landfill Zion, IL	
2623	IL11032875	5/19/2005	Midwest REM	22.38	Onyx Zion Landfill Zion, IL	
2624	IL11032876	5/19/2005	Midwest REM	22.49	Onyx Zion Landfill Zion, IL	
2625	IL11032877	5/19/2005	Midwest REM	19.44	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2626	IL11032878	5/19/2005	Midwest REM	17.38	Onyx Zion Landfill Zion, IL	
2627	IL11032879	5/19/2005	Midwest REM	21.90	Onyx Zion Landfill Zion, IL	
2628	IL11032880	5/19/2005	Midwest REM	17.66	Onyx Zion Landfill Zion, IL	
2629	IL11032881	5/19/2005	Midwest REM	23.38	Onyx Zion Landfill Zion, IL	
2630	IL11032882	5/19/2005	Midwest REM	21.54	Onyx Zion Landfill Zion, IL	
2631	IL11032883	5/19/2005	Midwest REM	21.22	Onyx Zion Landfill Zion, IL	
2632	IL11032884	5/19/2005	Midwest REM	18.63	Onyx Zion Landfill Zion, IL	
2633	IL11032885	5/19/2005	Midwest REM	21.49	Onyx Zion Landfill Zion, IL	
2634	IL11032886	5/19/2005	Midwest REM	19.66	Onyx Zion Landfill Zion, IL	
2635	IL11032887	5/19/2005	Midwest REM	20.03	Onyx Zion Landfill Zion, IL	
2636	IL11032888	5/19/2005	Midwest REM	23.14	Onyx Zion Landfill Zion, IL	
2637	IL11032889	5/19/2005	Midwest REM	19.21	Onyx Zion Landfill Zion, IL	
2638	IL11032890	5/19/2005	Midwest REM	19.64	Onyx Zion Landfill Zion, IL	
2639	IL11032891	5/19/2005	Midwest REM	20.13	Onyx Zion Landfill Zion, IL	
2640	IL11032892	5/19/2005	Midwest REM	19.56	Onyx Zion Landfill Zion, IL	
2641	IL11032893	5/19/2005	Midwest REM	22.05	Onyx Zion Landfill Zion, IL	
2642	IL11032894	5/19/2005	Midwest REM	17.15	Onyx Zion Landfill Zion, IL	
2643	IL11032895	5/19/2005	Midwest REM	19.57	Onyx Zion Landfill Zion, IL	
2644	IL11032896	5/19/2005	Midwest REM	18.63	Onyx Zion Landfill Zion, IL	
2645	IL11032897	5/19/2005	Midwest REM	18.18	Onyx Zion Landfill Zion, IL	
2646	IL11032898	5/19/2005	Midwest REM	19.74	Onyx Zion Landfill Zion, IL	
2647	IL11032899	5/19/2005	Midwest REM	21.04	Onyx Zion Landfill Zion, IL	
2648	IL11032900	5/19/2005	Midwest REM	19.23	Onyx Zion Landfill Zion, IL	
2649	IL11032951	5/19/2005	Midwest REM	19.84	Onyx Zion Landfill Zion, IL	
2651	IL11032953	5/19/2005	Midwest REM	20.60	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
2652	IL11032954	5/19/2005	Midwest REM	21.84	Onyx Zion Landfill Zion, IL	
2653	IL11032955	5/19/2005	Midwest REM	21.77	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 5/19/05	888.43	
2654	IL11032956	5/20/2005	Midwest REM	19.68	Onyx Zion Landfill Zion, IL	
2655	IL11032957	5/20/2005	Midwest REM	19.90	Onyx Zion Landfill Zion, IL	
2656	IL11032958	5/20/2005	Midwest REM	19.59	Onyx Zion Landfill Zion, IL	
2657	IL11032959	5/20/2005	Midwest REM	20.25	Onyx Zion Landfill Zion, IL	
2658	IL11032960	5/20/2005	Midwest REM	19.77	Onyx Zion Landfill Zion, IL	
2659	IL11032961	5/20/2005	Midwest REM	19.63	Onyx Zion Landfill Zion, IL	
2660	IL11032962	5/20/2005	Midwest REM	20.99	Onyx Zion Landfill Zion, IL	
2661	IL11032963	5/20/2005	Midwest REM	21.64	Onyx Zion Landfill Zion, IL	
2662	IL11032964	5/20/2005	Midwest REM	21.09	Onyx Zion Landfill Zion, IL	
2663	IL11032965	5/20/2005	Midwest REM	20.60	Onyx Zion Landfill Zion, IL	
2664	IL11032966	5/20/2005	Midwest REM	19.66	Onyx Zion Landfill Zion, IL	
2665	IL11032967	5/20/2005	Midwest REM	20.91	Onyx Zion Landfill Zion, IL	
2666	IL11032968	5/20/2005	Midwest REM	20.87	Onyx Zion Landfill Zion, IL	
2667	IL11032969	5/20/2005	Midwest REM	20.23	Onyx Zion Landfill Zion, IL	
2668	IL11032970	5/20/2005	Midwest REM	19.13	Onyx Zion Landfill Zion, IL	
2669	IL11032971	5/20/2005	Midwest REM	21.32	Onyx Zion Landfill Zion, IL	
2670	IL11032972	5/20/2005	Midwest REM	21.90	Onyx Zion Landfill Zion, IL	
2671	IL11032973	5/20/2005	Midwest REM	19.70	Onyx Zion Landfill Zion, IL	
2672	IL11032974	5/20/2005	Midwest REM	21.25	Onyx Zion Landfill Zion, IL	
2673	IL11032975	5/20/2005	Midwest REM	20.39	Onyx Zion Landfill Zion, IL	
2674	IL11032976	5/20/2005	Midwest REM	20.52	Onyx Zion Landfill Zion, IL	
2675	IL11032977	5/20/2005	Midwest REM	20.46	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2676	IL11032978	5/20/2005	Midwest REM	18.89	Onyx Zion Landfill Zion, IL	
2677	IL11032979	5/20/2005	Midwest REM	18.94	Onyx Zion Landfill Zion, IL	
2678	IL11032980	5/20/2005	Midwest REM	19.42	Onyx Zion Landfill Zion, IL	
2679	IL11032981	5/20/2005	Midwest REM	16.33	Onyx Zion Landfill Zion, IL	
2680	IL11032982	5/20/2005	Midwest REM	20.10	Onyx Zion Landfill Zion, IL	
2681	IL11032983	5/20/2005	Midwest REM	20.37	Onyx Zion Landfill Zion, IL	
2682	IL11032984	5/20/2005	Midwest REM	19.69	Onyx Zion Landfill Zion, IL	
2683	IL11032985	5/20/2005	Midwest REM	18.23	Onyx Zion Landfill Zion, IL	
2684	IL11032986	5/20/2005	Midwest REM	20.33	Onyx Zion Landfill Zion, IL	
2685	IL11032987	5/20/2005	Midwest REM	19.43	Onyx Zion Landfill Zion, IL	
2686	IL11032988	5/20/2005	Midwest REM	20.46	Onyx Zion Landfill Zion, IL	
2687	IL11032989	5/20/2005	Midwest REM	19.76	Onyx Zion Landfill Zion, IL	
2688	IL11032990	5/20/2005	Midwest REM	19.34	Onyx Zion Landfill Zion, IL	
2689	IL11032991	5/20/2005	Midwest REM	19.45	Onyx Zion Landfill Zion, IL	
2690	IL11032992	5/20/2005	Midwest REM	18.70	Onyx Zion Landfill Zion, IL	
2691	IL11032993	5/20/2005	Midwest REM	19.32	Onyx Zion Landfill Zion, IL	
2692	IL11032994	5/20/2005	Midwest REM	19.24	Onyx Zion Landfill Zion, IL	
2693	IL11032995	5/20/2005	Midwest REM	20.02	Onyx Zion Landfill Zion, IL	
2694	IL11032996	5/20/2005	Midwest REM	19.71	Onyx Zion Landfill Zion, IL	
2695	IL11032997	5/20/2005	Midwest REM	20.13	Onyx Zion Landfill Zion, IL	
2696	IL11032998	5/20/2005	Midwest REM	20.32	Onyx Zion Landfill Zion, IL	
2697	IL11032999	5/20/2005	Midwest REM	19.71	Onyx Zion Landfill Zion, IL	
2698	IL11033001	5/20/2005	Midwest REM	21.21	Onyx Zion Landfill Zion, IL	
2699	IL11033002	5/20/2005	Midwest REM	20.21	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 5/20/05				918.79		

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2700	IL11033003	5/23/2005	Midwest REM	18.79	Onyx Zion Landfill Zion, IL	
2701	IL11033004	5/23/2005	Midwest REM	18.61	Onyx Zion Landfill Zion, IL	
2702	IL11033005	5/23/2005	Midwest REM	20.55	Onyx Zion Landfill Zion, IL	
2703	IL11033006	5/23/2005	Midwest REM	18.53	Onyx Zion Landfill Zion, IL	
2704	IL11033007	5/23/2005	Midwest REM	20.32	Onyx Zion Landfill Zion, IL	
2705	IL11033008	5/23/2005	Midwest REM	18.59	Onyx Zion Landfill Zion, IL	
2706	IL11033009	5/23/2005	Midwest REM	19.19	Onyx Zion Landfill Zion, IL	
2707	IL11033010	5/23/2005	Midwest REM	19.37	Onyx Zion Landfill Zion, IL	
2708	IL11033011	5/23/2005	Midwest REM	20.28	Onyx Zion Landfill Zion, IL	
2709	IL11033012	5/23/2005	Midwest REM	20.85	Onyx Zion Landfill Zion, IL	
2710	IL11033013	5/23/2005	Midwest REM	21.33	Onyx Zion Landfill Zion, IL	
2711	IL11033014	5/23/2005	Midwest REM	20.68	Onyx Zion Landfill Zion, IL	
2712	IL11033015	5/23/2005	Midwest REM	19.61	Onyx Zion Landfill Zion, IL	
2713	IL11033016	5/23/2005	Midwest REM	20.07	Onyx Zion Landfill Zion, IL	
2714	IL11033017	5/23/2005	Midwest REM	19.07	Onyx Zion Landfill Zion, IL	
2715	IL11033018	5/23/2005	Midwest REM	19.37	Onyx Zion Landfill Zion, IL	
2716	IL11033019	5/23/2005	Midwest REM	19.74	Onyx Zion Landfill Zion, IL	
2717	IL11033020	5/23/2005	Midwest REM	20.86	Onyx Zion Landfill Zion, IL	
2718	IL11033021	5/23/2005	Midwest REM	20.91	Onyx Zion Landfill Zion, IL	
2719	IL11033022	5/23/2005	Midwest REM	19.66	Onyx Zion Landfill Zion, IL	
2720	IL11033023	5/23/2005	Midwest REM	20.27	Onyx Zion Landfill Zion, IL	
2721	IL11033024	5/23/2005	Midwest REM	21.37	Onyx Zion Landfill Zion, IL	
2722	IL11033025	5/23/2005	Midwest REM	18.58	Onyx Zion Landfill Zion, IL	
2723	IL11033026	5/23/2005	Midwest REM	20.48	Onyx Zion Landfill Zion, IL	
2724	IL11033027	5/23/2005	Midwest REM	20.21	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2725	IL11033028	5/23/2005	Midwest REM	19.99	Onyx Zion Landfill Zion, IL	
2726	IL11033029	5/23/2005	Midwest REM	18.77	Onyx Zion Landfill Zion, IL	
2727	IL11033030	5/23/2005	Midwest REM	20.16	Onyx Zion Landfill Zion, IL	
2728	IL11033031	5/23/2005	Midwest REM	20.04	Onyx Zion Landfill Zion, IL	
2729	IL11033032	5/23/2005	Midwest REM	19.99	Onyx Zion Landfill Zion, IL	
2730	IL11033033	5/23/2005	Midwest REM	20.21	Onyx Zion Landfill Zion, IL	
2731	IL11033034	5/23/2005	Midwest REM	19.41	Onyx Zion Landfill Zion, IL	
2732	IL11033035	5/23/2005	Midwest REM	19.00	Onyx Zion Landfill Zion, IL	
2733	IL11033036	5/23/2005	Midwest REM	19.21	Onyx Zion Landfill Zion, IL	
2734	IL11033037	5/23/2005	Midwest REM	18.23	Onyx Zion Landfill Zion, IL	
2735	IL11033038	5/23/2005	Midwest REM	21.48	Onyx Zion Landfill Zion, IL	
2736	IL11033039	5/23/2005	Midwest REM	17.58	Onyx Zion Landfill Zion, IL	
2737	IL11033040	5/23/2005	Midwest REM	18.64	Onyx Zion Landfill Zion, IL	
2738	IL11033041	5/23/2005	Midwest REM	17.76	Onyx Zion Landfill Zion, IL	
2739	IL11033042	5/23/2005	Midwest REM	18.83	Onyx Zion Landfill Zion, IL	
2740	IL11033043	5/23/2005	Midwest REM	18.76	Onyx Zion Landfill Zion, IL	
2741	IL11033044	5/23/2005	Midwest REM	18.09	Onyx Zion Landfill Zion, IL	
2742	IL11033045	5/23/2005	Midwest REM	18.63	Onyx Zion Landfill Zion, IL	
2743	IL11033046	5/23/2005	Midwest REM	19.32	Onyx Zion Landfill Zion, IL	
2744	IL11033047	5/23/2005	Midwest REM	17.49	Onyx Zion Landfill Zion, IL	
2745	IL11033048	5/23/2005	Midwest REM	19.56	Onyx Zion Landfill Zion, IL	
2746	IL11033049	5/23/2005	Midwest REM	18.79	Onyx Zion Landfill Zion, IL	
2747	IL11033050	5/23/2005	Midwest REM	18.81	Onyx Zion Landfill Zion, IL	
2748	IL11033051	5/23/2005	Midwest REM	18.51	Onyx Zion Landfill Zion, IL	
2749	IL11033052	5/23/2005	Midwest REM	19.60	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2750	IL11033053	5/23/2005	Midwest REM	19.30	Onyx Zion Landfill Zion, IL	
2751	IL11033054	5/23/2005	Midwest REM	18.41	Onyx Zion Landfill Zion, IL	
2752	IL11033055	5/23/2005	Midwest REM	18.07	Onyx Zion Landfill Zion, IL	
2753	IL11033056	5/23/2005	Midwest REM	19.51	Onyx Zion Landfill Zion, IL	
2754	IL11033057	5/23/2005	Midwest REM	17.98	Onyx Zion Landfill Zion, IL	
2755	IL11033058	5/23/2005	Midwest REM	19.84	Onyx Zion Landfill Zion, IL	
2756	IL11033059	5/23/2005	Midwest REM	19.29	Onyx Zion Landfill Zion, IL	
2757	IL11033060	5/23/2005	Midwest REM	21.96	Onyx Zion Landfill Zion, IL	
2758	IL11033061	5/23/2005	Midwest REM	19.35	Onyx Zion Landfill Zion, IL	
2759	IL11033062	5/23/2005	Midwest REM	19.98	Onyx Zion Landfill Zion, IL	
2760	IL11033063	5/23/2005	Midwest REM	19.57	Onyx Zion Landfill Zion, IL	
2761	IL11033064	5/23/2005	Midwest REM	20.51	Onyx Zion Landfill Zion, IL	
2762	IL11033065	5/23/2005	Midwest REM	21.61	Onyx Zion Landfill Zion, IL	
2763	IL11033066	5/23/2005	Midwest REM	19.76	Onyx Zion Landfill Zion, IL	
2764	IL11033067	5/23/2005	Midwest REM	20.98	Onyx Zion Landfill Zion, IL	
2765	IL11033068	5/23/2005	Midwest REM	20.62	Onyx Zion Landfill Zion, IL	
2766	IL11033069	5/23/2005	Midwest REM	20.55	Onyx Zion Landfill Zion, IL	
2767	IL11033070	5/23/2005	Midwest REM	21.61	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 5/23/05				1,333.05		
2768	IL11033071	5/24/2005	Midwest REM	16.95	Onyx Zion Landfill Zion, IL	
2769	IL11033072	5/24/2005	Midwest REM	17.74	Onyx Zion Landfill Zion, IL	
2770	IL11033073	5/24/2005	Midwest REM	20.45	Onyx Zion Landfill Zion, IL	
2771	IL11033074	5/24/2005	Midwest REM	18.54	Onyx Zion Landfill Zion, IL	
2772	IL11033075	5/24/2005	Midwest REM	18.23	Onyx Zion Landfill Zion, IL	
2773	IL11033076	5/24/2005	Midwest REM	19.33	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2774	IL11033077	5/24/2005	Midwest REM	17.24	Onyx Zion Landfill Zion, IL	
2775	IL11033078	5/24/2005	Midwest REM	18.25	Onyx Zion Landfill Zion, IL	
2776	IL11033079	5/24/2005	Midwest REM	21.26	Onyx Zion Landfill Zion, IL	
2777	IL11033080	5/24/2005	Midwest REM	19.18	Onyx Zion Landfill Zion, IL	
2778	IL11033081	5/24/2005	Midwest REM	18.67	Onyx Zion Landfill Zion, IL	
2779	IL11033082	5/24/2005	Midwest REM	17.39	Onyx Zion Landfill Zion, IL	
2780	IL11033083	5/24/2005	Midwest REM	20.63	Onyx Zion Landfill Zion, IL	
2781	IL11033084	5/24/2005	Midwest REM	18.57	Onyx Zion Landfill Zion, IL	
2782	IL11033085	5/24/2005	Midwest REM	20.32	Onyx Zion Landfill Zion, IL	
2783	IL11033086	5/24/2005	Midwest REM	20.05	Onyx Zion Landfill Zion, IL	
2784	IL11033087	5/24/2005	Midwest REM	23.23	Onyx Zion Landfill Zion, IL	
2785	IL11033088	5/24/2005	Midwest REM	20.18	Onyx Zion Landfill Zion, IL	
2786	IL11033089	5/24/2005	Midwest REM	20.37	Onyx Zion Landfill Zion, IL	
2787	IL11033090	5/24/2005	Midwest REM	21.36	Onyx Zion Landfill Zion, IL	
2788	IL11033091	5/24/2005	Midwest REM	22.11	Onyx Zion Landfill Zion, IL	
2789	IL11033092	5/24/2005	Midwest REM	20.09	Onyx Zion Landfill Zion, IL	
2790	IL11033093	5/24/2005	Midwest REM	20.77	Onyx Zion Landfill Zion, IL	
2791	IL11033094	5/24/2005	Midwest REM	18.85	Onyx Zion Landfill Zion, IL	
2792	IL11033095	5/24/2005	Midwest REM	18.40	Onyx Zion Landfill Zion, IL	
2793	IL11033096	5/24/2005	Midwest REM	17.51	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 5/24/05				505.67		
2794	IL11033097	5/25/2005	Midwest REM	16.65	Onyx Zion Landfill Zion, IL	
2795	IL11033098	5/25/2005	Midwest REM	20.42	Onyx Zion Landfill Zion, IL	
2796	IL11033099	5/25/2005	Midwest REM	17.11	Onyx Zion Landfill Zion, IL	
2797	IL11033100	5/25/2005	Midwest REM	17.62	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>		<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
				SUBTOTAL WEIGHT- 5/25/05	71.80		
				SUBTOTAL WEIGHT- MAY 2005	6,473.93		
2798	IL11033101	6/7/2005	Midwest REM		14.65	Onyx Zion Landfill Zion, IL	
2799	IL11033102	6/7/2005	Midwest REM		20.17	Onyx Zion Landfill Zion, IL	
2800	IL11033103	6/7/2005	Midwest REM		16.66	Onyx Zion Landfill Zion, IL	
2801	IL11033104	6/7/2005	Midwest REM		14.40	Onyx Zion Landfill Zion, IL	
2802	IL11033105	6/7/2005	Midwest REM		20.96	Onyx Zion Landfill Zion, IL	
2803	IL11033106	6/7/2005	Midwest REM		11.27	Onyx Zion Landfill Zion, IL	
2804	IL11033107	6/7/2005	Midwest REM		18.85	Onyx Zion Landfill Zion, IL	
2806	IL11033109	6/7/2005	Midwest REM		19.26	Onyx Zion Landfill Zion, IL	
2807	IL11033110	6/7/2005	Midwest REM		14.63	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 6/7/05	150.85		
2808	IL11033111	6/8/2005	Midwest REM		16.56	Onyx Zion Landfill Zion, IL	
2809	IL11033112	6/8/2005	Midwest REM		15.23	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 6/9/05	31.79		
2810	IL11033113	6/9/2005	Midwest REM		21.06	Onyx Zion Landfill Zion, IL	
2811	IL10283840	6/9/2005	Midwest REM		16.55	Onyx Zion Landfill Zion, IL	
2812	IL10283839	6/9/2005	Midwest REM		19.37	Onyx Zion Landfill Zion, IL	
2813	IL10283838	6/9/2005	Midwest REM		15.57	Onyx Zion Landfill Zion, IL	
2814	IL10283837	6/9/2005	Midwest REM		18.19	Onyx Zion Landfill Zion, IL	
2815	IL10283836	6/9/2005	Midwest REM		15.40	Onyx Zion Landfill Zion, IL	
2816	IL10283833	6/9/2005	Midwest REM		18.93	Onyx Zion Landfill Zion, IL	
2817	IL10283832	6/9/2005	Midwest REM		16.14	Onyx Zion Landfill Zion, IL	
2818	IL10283831	6/9/2005	Midwest REM		24.30	Onyx Zion Landfill Zion, IL	
2819	IL10283830	6/9/2005	Midwest REM		20.37	Onyx Zion Landfill Zion, IL	

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TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>		<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2820	IL8545243	6/9/2005	Midwest REM		23.73	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 6/9/05	209.61		
2821	IL11033114	6/17/2005	Midwest REM		17.52	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 6/17/05	17.52		
2822	IL11033115	6/21/2005	Midwest REM		20.02	Onyx Zion Landfill Zion, IL	
2823	IL11033116	6/21/2005	Midwest REM		24.12	Onyx Zion Landfill Zion, IL	
2824	IL11033117	6/21/2005	Midwest REM		20.24	Onyx Zion Landfill Zion, IL	
2825	IL11033118	6/21/2005	Midwest REM		21.67	Onyx Zion Landfill Zion, IL	
2826	IL11033119	6/21/2005	Midwest REM		24.06	Onyx Zion Landfill Zion, IL	
2827	IL11033120	6/21/2005	Midwest REM		23.41	Onyx Zion Landfill Zion, IL	
2828	IL11033121	6/21/2005	Midwest REM		20.31	Onyx Zion Landfill Zion, IL	
2829	IL11033122	6/21/2005	Midwest REM		19.45	Onyx Zion Landfill Zion, IL	
2830	IL11033123	6/21/2005	Midwest REM		19.97	Onyx Zion Landfill Zion, IL	
2831	IL11033124	6/21/2005	Midwest REM		21.41	Onyx Zion Landfill Zion, IL	
2832	IL11033125	6/21/2005	Midwest REM		19.57	Onyx Zion Landfill Zion, IL	
2833	IL11033126	6/21/2005	Midwest REM		20.17	Onyx Zion Landfill Zion, IL	
2834	IL11033127	6/21/2005	Midwest REM		18.47	Onyx Zion Landfill Zion, IL	
2835	IL11033128	6/21/2005	Midwest REM		23.44	Onyx Zion Landfill Zion, IL	
				SUBTOTAL WEIGHT- 6/21/05	296.31		
				SUBTOTAL WEIGHT- JUNE 2005	706.08		
2836	IL11033129	7/7/2005	Midwest REM		21.70	Onyx Zion Landfill Zion, IL	
2837	IL11033130	7/7/2005	Midwest REM		15.95	Onyx Zion Landfill Zion, IL	
2838	IL11033131	7/7/2005	Midwest REM		16.49	Onyx Zion Landfill Zion, IL	
2839	IL11033132	7/7/2005	Midwest REM		17.78	Onyx Zion Landfill Zion, IL	
2840	IL11033133	7/7/2005	Midwest REM		21.49	Onyx Zion Landfill Zion, IL	

TABLE 7.2
TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Weight (Tons)</i>	<i>Destination</i>	<i>Comment</i>
2841	IL11033134	7/7/2005	Midwest REM	18.32	Onyx Zion Landfill Zion, IL	
2842	IL11033135	7/7/2005	Midwest REM	17.32	Onyx Zion Landfill Zion, IL	
2843	IL11033136	7/7/2005	Midwest REM	25.31	Onyx Zion Landfill Zion, IL	
2844	IL11033137	7/7/2005	Midwest REM	20.79	Onyx Zion Landfill Zion, IL	
2845	IL11033138	7/7/2005	Midwest REM	21.02	Onyx Zion Landfill Zion, IL	
2846	IL11033139	7/7/2005	Midwest REM	18.29	Onyx Zion Landfill Zion, IL	
2847	IL11033140	7/7/2005	Midwest REM	20.41	Onyx Zion Landfill Zion, IL	
2848	IL11033141	7/7/2005	Midwest REM	22.53	Onyx Zion Landfill Zion, IL	
2849	IL11033142	7/7/2005	Midwest REM	17.50	Onyx Zion Landfill Zion, IL	
2850	IL11033143	7/7/2005	Midwest REM	20.00	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 7/7/05				294.90		
2851	IL11033144	7/29/2005	Midwest REM	21.45	Onyx Zion Landfill Zion, IL	
2852	IL11033145	7/29/2005	Midwest REM	16.68	Onyx Zion Landfill Zion, IL	
2853	IL11033146	7/29/2005	Midwest REM	19.17	Onyx Zion Landfill Zion, IL	
2854	IL11033147	7/29/2005	Midwest REM	17.50	Onyx Zion Landfill Zion, IL	
2855	IL11033148	7/29/2005	Midwest REM	16.81	Onyx Zion Landfill Zion, IL	
2856	IL11033149	7/29/2005	Midwest REM	13.36	Onyx Zion Landfill Zion, IL	
2857	IL11033150	7/29/2005	Midwest REM	17.74	Onyx Zion Landfill Zion, IL	
2858	IL11033237	7/29/2005	Midwest REM	17.32	Onyx Zion Landfill Zion, IL	
2859	IL11033236	7/29/2005	Midwest REM	19.64	Onyx Zion Landfill Zion, IL	
2860	IL11033235	7/29/2005	Midwest REM	16.16	Onyx Zion Landfill Zion, IL	
2861	IL11033234	7/29/2005	Midwest REM	13.55	Onyx Zion Landfill Zion, IL	
2862	IL11033233	7/29/2005	Midwest REM	17.95	Onyx Zion Landfill Zion, IL	
2863	IL11033232	7/29/2005	Midwest REM	14.99	Onyx Zion Landfill Zion, IL	
2864	IL11033231	7/29/2005	Midwest REM	2.65	Onyx Zion Landfill Zion, IL	

TABLE 7.2

TRANSPORTATION AND DISPOSAL SUMMARY-CATEGORY 2 SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Shipper's No.	ILLINOIS MANIFEST DOCUMENT NUMBER	Date	Transporter	Weight (Tons)	Destination	Comment
2865	IL11033230	7/29/2005	Midwest REM	2.12	Onyx Zion Landfill Zion, IL	
2866	IL11033229	7/29/2005	Midwest REM	5.22	Onyx Zion Landfill Zion, IL	
2867	IL11033228	7/29/2005	Midwest REM	13.35	Onyx Zion Landfill Zion, IL	
SUBTOTAL WEIGHT- 7/29/05				245.66		
SUBTOTAL WEIGHT- JULY 2005				540.56		
TOTAL ACTUAL WEIGHT SHIPPED				54,768.26		

TABLE 7.3

TRANSPORTATION AND DISPOSAL SUMMARY
 CATEGORY 2-SUBTITLE C LANDFILL SOIL
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
1	IL11325925	5/5/2005	M T Transit	18.06	CID Area 4 Calumet City, IL
2	IL11325926	5/5/2005	M T Transit	19.70	CID Area 4 Calumet City, IL
3	IL11325927	5/5/2005	M T Transit	22.07	CID Area 4 Calumet City, IL
4	IL11325928	5/5/2005	M T Transit	20.69	CID Area 4 Calumet City, IL
5	IL11325929	5/5/2005	M T Transit	18.89	CID Area 4 Calumet City, IL
6	IL11325930	5/5/2005	M T Transit	22.17	CID Area 4 Calumet City, IL
7	IL11325931	5/5/2005	M T Transit	22.73	CID Area 4 Calumet City, IL
8	IL11325932	5/5/2005	M T Transit	18.84	CID Area 4 Calumet City, IL
9	IL11325933	5/5/2005	M T Transit	14.68	CID Area 4 Calumet City, IL
10	IL11325934	5/5/2005	M T Transit	14.15	CID Area 4 Calumet City, IL
11	IL11325935	5/5/2005	M T Transit	21.05	CID Area 4 Calumet City, IL
12	IL11325936	5/5/2005	M T Transit	19.98	CID Area 4 Calumet City, IL
13	IL11325937	5/5/2005	M T Transit	21.43	CID Area 4 Calumet City, IL
14	IL11325938	5/5/2005	M T Transit	22.02	CID Area 4 Calumet City, IL
15	IL11325939	5/5/2005	M T Transit	21.70	CID Area 4 Calumet City, IL
16	IL11325940	5/5/2005	M T Transit	19.79	CID Area 4 Calumet City, IL

TABLE 7.3

TRANSPORTATION AND DISPOSAL SUMMARY
 CATEGORY 2-SUBTITLE C LANDFILL SOIL
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
17	IL11325941	5/5/2005	M T Transit	21.15	CID Area 4 Calumet City, IL
18	IL11325942	5/5/2005	M T Transit	21.77	CID Area 4 Calumet City, IL
19	IL11325943	5/5/2005	M T Transit	16.71	CID Area 4 Calumet City, IL
20	IL11325944	5/5/2005	M T Transit	16.30	CID Area 4 Calumet City, IL
TOTAL ACTUAL WEIGHT-5/5/05				393.88	
21	IL11325945	5/6/2005	M T Transit	22.87	CID Area 4 Calumet City, IL
22	IL11325946	5/6/2005	M T Transit	22.48	CID Area 4 Calumet City, IL
23	IL11325947	5/6/2005	M T Transit	23.26	CID Area 4 Calumet City, IL
24	IL11325948	5/6/2005	M T Transit	24.67	CID Area 4 Calumet City, IL
25	IL11325949	5/6/2005	M T Transit	19.57	CID Area 4 Calumet City, IL
26	IL11325950	5/6/2005	M T Transit	22.09	CID Area 4 Calumet City, IL
27	IL11325951	5/6/2005	M T Transit	23.36	CID Area 4 Calumet City, IL
28	IL11325952	5/6/2005	M T Transit	24.15	CID Area 4 Calumet City, IL
29	IL11325953	5/6/2005	M T Transit	17.72	CID Area 4 Calumet City, IL
30	IL11325954	5/6/2005	M T Transit	17.98	CID Area 4 Calumet City, IL

TABLE 7.3

TRANSPORTATION AND DISPOSAL SUMMARY
 CATEGORY 2-SUBTITLE C LANDFILL SOIL
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
31	IL11325878	5/6/2005	M T Transit	17.55	CID Area 4 Calumet City, IL
32	IL11325879	5/6/2005	M T Transit	17.63	CID Area 4 Calumet City, IL
33	IL11325880	5/6/2005	M T Transit	15.68	CID Area 4 Calumet City, IL
34	IL11325881	5/6/2005	M T Transit	17.84	CID Area 4 Calumet City, IL
35	IL11325882	5/6/2005	M T Transit	20.79	CID Area 4 Calumet City, IL
36	IL11325883	5/6/2005	M T Transit	18.54	CID Area 4 Calumet City, IL
37	IL11325884	5/6/2005	M T Transit	20.78	CID Area 4 Calumet City, IL
38	IL11325885	5/6/2005	M T Transit	21.58	CID Area 4 Calumet City, IL
39	IL11325886	5/6/2005	M T Transit	19.82	CID Area 4 Calumet City, IL
40	IL11325887	5/6/2005	M T Transit	22.51	CID Area 4 Calumet City, IL
41	IL11325888	5/6/2005	M T Transit	20.00	CID Area 4 Calumet City, IL
42	IL11325889	5/6/2005	M T Transit	20.49	CID Area 4 Calumet City, IL
43	IL11325890	5/6/2005	M T Transit	16.01	CID Area 4 Calumet City, IL
44	IL11325891	5/6/2005	M T Transit	16.28	CID Area 4 Calumet City, IL
45	IL11325892	5/6/2005	M T Transit	15.54	CID Area 4 Calumet City, IL
46	IL11325893	5/6/2005	M T Transit	16.11	CID Area 4 Calumet City, IL

TABLE 7.3

TRANSPORTATION AND DISPOSAL SUMMARY
 CATEGORY 2-SUBTITLE C LANDFILL SOIL
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
TOTAL ACTUAL WEIGHT-5/6/05				515.30	
47	IL11325894	5/9/2005	M T Transit	17.11	CID Area 4 Calumet City, IL
48	IL11325895	5/9/2005	M T Transit	14.77	CID Area 4 Calumet City, IL
49	IL11325896	5/9/2005	M T Transit	17.68	CID Area 4 Calumet City, IL
50	IL11325897	5/9/2005	M T Transit	23.20	CID Area 4 Calumet City, IL
51	IL11325898	5/9/2005	M T Transit	23.27	CID Area 4 Calumet City, IL
52	IL11325899	5/9/2005	M T Transit	19.90	CID Area 4 Calumet City, IL
53	IL11325900	5/9/2005	M T Transit	25.09	CID Area 4 Calumet City, IL
54	IL11325901	5/9/2005	M T Transit	16.67	CID Area 4 Calumet City, IL
55	IL11325902	5/9/2005	M T Transit	16.64	CID Area 4 Calumet City, IL
56	IL11325903	5/9/2005	M T Transit	18.84	CID Area 4 Calumet City, IL
57	IL11325904	5/9/2005	M T Transit	19.50	CID Area 4 Calumet City, IL
58	IL11325905	5/9/2005	M T Transit	19.67	CID Area 4 Calumet City, IL
59	IL11325906	5/9/2005	M T Transit	19.80	CID Area 4 Calumet City, IL
60	IL11325907	5/9/2005	M T Transit	20.27	CID Area 4 Calumet City, IL

TABLE 7.3

TRANSPORTATION AND DISPOSAL SUMMARY
 CATEGORY 2-SUBTITLE C LANDFILL SOIL
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
61	IL11325908	5/9/2005	M T Transit	17.81	CID Area 4 Calumet City, IL
62	IL11325909	5/9/2005	M T Transit	21.74	CID Area 4 Calumet City, IL
63	IL11325910	5/9/2005	M T Transit	19.31	CID Area 4 Calumet City, IL
64	IL11325911	5/9/2005	M T Transit	25.10	CID Area 4 Calumet City, IL
65	IL11325912	5/9/2005	M T Transit	27.13	CID Area 4 Calumet City, IL
TOTAL ACTUAL WEIGHT-5/9/05				383.50	
66	IL11325913	5/10/2005	M T Transit	22.39	CID Area 4 Calumet City, IL
67	IL11325914	5/10/2005	M T Transit	25.53	CID Area 4 Calumet City, IL
68	IL11325915	5/10/2005	M T Transit	24.95	CID Area 4 Calumet City, IL
69	IL11325916	5/10/2005	M T Transit	25.14	CID Area 4 Calumet City, IL
70	IL11325917	5/10/2005	M T Transit	26.44	CID Area 4 Calumet City, IL
71	IL11325918	5/10/2005	M T Transit	26.69	CID Area 4 Calumet City, IL
72	IL11325919	5/10/2005	M T Transit	23.95	CID Area 4 Calumet City, IL
73	IL11325920	5/10/2005	M T Transit	23.75	CID Area 4 Calumet City, IL
74	IL11325921	5/10/2005	M T Transit	19.31	CID Area 4 Calumet City, IL

TABLE 7.3

**TRANSPORTATION AND DISPOSAL SUMMARY
CATEGORY 2-SUBTITLE C LANDFILL SOIL
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
75	IL11325922	5/10/2005	M T Transit	16.20	CID Area 4 Calumet City, IL
76	IL11325923	5/10/2005	M T Transit	22.75	CID Area 4 Calumet City, IL
77	IL11325924	5/10/2005	M T Transit	21.24	CID Area 4 Calumet City, IL
78	IL11424242	5/10/2005	M T Transit	20.79	CID Area 4 Calumet City, IL
79	IL11424243	5/10/2005	M T Transit	23.26	CID Area 4 Calumet City, IL
80	IL11424244	5/10/2005	M T Transit	20.90	CID Area 4 Calumet City, IL
81	IL11424245	5/10/2005	M T Transit	20.40	CID Area 4 Calumet City, IL
82	IL11424246	5/10/2005	M T Transit	19.15	CID Area 4 Calumet City, IL
TOTAL ACTUAL WEIGHT-5/10/05				382.84	
83	IL11424247	5/11/2005	M T Transit	19.25	CID Area 4 Calumet City, IL
84	IL11424248	5/11/2005	M T Transit	22.02	CID Area 4 Calumet City, IL
85	IL11424249	5/11/2005	M T Transit	20.43	CID Area 4 Calumet City, IL
86	IL11424250	5/11/2005	M T Transit	22.84	CID Area 4 Calumet City, IL
87	IL11424251	5/11/2005	M T Transit	20.65	CID Area 4 Calumet City, IL
88	IL11424252	5/11/2005	M T Transit	19.81	CID Area 4 Calumet City, IL

TABLE 7.3

TRANSPORTATION AND DISPOSAL SUMMARY
 CATEGORY 2-SUBTITLE C LANDFILL SOIL
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
89	IL11424253	5/11/2005	M T Transit	16.16	CID Area 4 Calumet City, IL
90	IL11424254	5/11/2005	M T Transit	22.44	CID Area 4 Calumet City, IL
91	IL11424255	5/11/2005	M T Transit	20.51	CID Area 4 Calumet City, IL
92	IL11424256	5/11/2005	M T Transit	19.41	CID Area 4 Calumet City, IL
93	IL11424257	5/11/2005	M T Transit	19.11	CID Area 4 Calumet City, IL
TOTAL ACTUAL WEIGHT-5/11/05				222.63	
94	IL11424258	5/12/2005	M T Transit	20.73	CID Area 4 Calumet City, IL
95	IL11424259	5/12/2005	M T Transit	22.35	CID Area 4 Calumet City, IL
96	IL11424260	5/12/2005	M T Transit	24.55	CID Area 4 Calumet City, IL
97	IL11424261	5/12/2005	M T Transit	23.42	CID Area 4 Calumet City, IL
98	IL11424262	5/12/2005	M T Transit	20.22	CID Area 4 Calumet City, IL
99	IL11424263	5/12/2005	M T Transit	23.85	CID Area 4 Calumet City, IL
100	IL11424264	5/12/2005	M T Transit	22.37	CID Area 4 Calumet City, IL
101	IL11424265	5/12/2005	M T Transit	18.93	CID Area 4 Calumet City, IL
102	IL11424266	5/12/2005	M T Transit	18.54	CID Area 4 Calumet City, IL

TABLE 7.3

TRANSPORTATION AND DISPOSAL SUMMARY
 CATEGORY 2-SUBTITLE C LANDFILL SOIL
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
103	IL11424241	5/12/2005	M T Transit	17.35	CID Area 4 Calumet City, IL
104	IL11424240	5/12/2005	M T Transit	18.84	CID Area 4 Calumet City, IL
105	IL11424239	5/12/2005	M T Transit	20.81	CID Area 4 Calumet City, IL
106	IL11424238	5/12/2005	M T Transit	21.51	CID Area 4 Calumet City, IL
107	IL11424237	5/12/2005	M T Transit	21.57	CID Area 4 Calumet City, IL
108	IL11424236	5/12/2005	M T Transit	22.82	CID Area 4 Calumet City, IL
109	IL11424235	5/12/2005	M T Transit	20.08	CID Area 4 Calumet City, IL
110	IL11424234	5/12/2005	M T Transit	21.43	CID Area 4 Calumet City, IL
111	IL11424233	5/12/2005	M T Transit	17.87	CID Area 4 Calumet City, IL
112	IL11424232	5/12/2005	M T Transit	16.70	CID Area 4 Calumet City, IL
113	IL11424231	5/12/2005	M T Transit	17.88	CID Area 4 Calumet City, IL
114	IL11424230	5/12/2005	M T Transit	18.86	CID Area 4 Calumet City, IL
115	IL11424229	5/12/2005	M T Transit	18.62	CID Area 4 Calumet City, IL
116	IL11424228	5/12/2005	M T Transit	17.42	CID Area 4 Calumet City; IL
117	IL11424227	5/12/2005	M T Transit	18.88	CID Area 4 Calumet City, IL
118	IL11424226	5/12/2005	M T Transit	18.44	CID Area 4 Calumet City, IL

TABLE 7.3

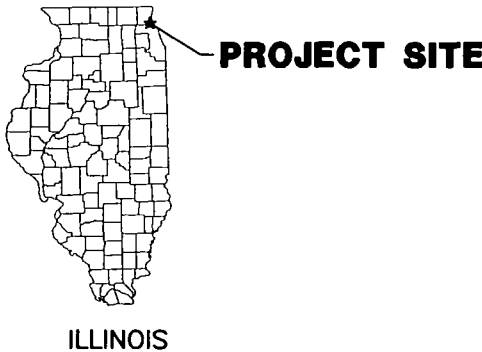
TRANSPORTATION AND DISPOSAL SUMMARY
 CATEGORY 2-SUBTITLE C LANDFILL SOIL
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Shipper's No.</i>	<i>ILLINOIS MANIFEST DOCUMENT NUMBER</i>	<i>Date</i>	<i>Transporter</i>	<i>Actual Weight (Tons)</i>	<i>Destination</i>
119	IL11424225	5/12/2005	M T Transit	16.97	CID Area 4 Calumet City, IL
TOTAL ACTUAL WEIGHT-5/12/05				521.01	
120	IL11424224	5/13/2005	M T Transit	19.72	CID Area 4 Calumet City, IL
121	IL11424223	5/13/2005	M T Transit	19.66	CID Area 4 Calumet City, IL
122	IL11424222	5/13/2005	M T Transit	21.63	CID Area 4 Calumet City, IL
123	IL11424221	5/13/2005	M T Transit	18.67	CID Area 4 Calumet City, IL
124	IL11424220	5/13/2005	M T Transit	15.68	CID Area 4 Calumet City, IL
125	IL11424219	5/13/2005	M T Transit	16.82	CID Area 4 Calumet City, IL
TOTAL ACTUAL WEIGHT-5/13/05				112.18	
TOTAL ACTUAL WEIGHT Shipped- MAY 2005				2,531.34	

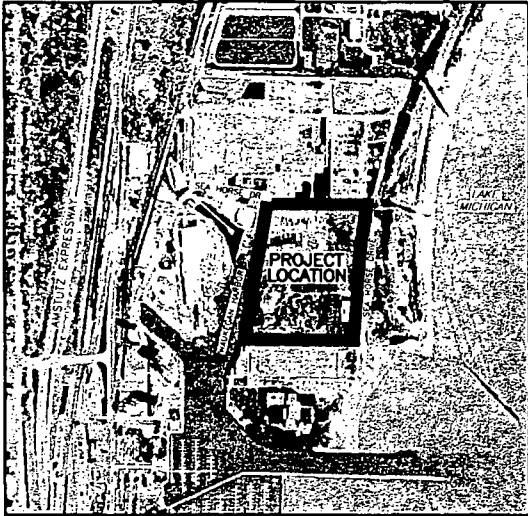
APPENDIX A

CONSTRUCTION DRAWINGS

OPERABLE UNIT 2 OF THE
OUTBOARD MARINE CORPORATION SUPERFUND SITE
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS



ILLINOIS
LOCATION MAP



VICINITY MAP

SHEET INDEX

SHEET NO.	TITLE
G-01	Cover Sheet, Index, and Location Map
C-02	Existing Site Conditions
C-03	Erosion/Run-off Control and Conceptual Remediation Site Plan
C-04	Proposed Excavations
C-05	Final Grade, Extent of Cover, and Planting

DETAIL AND SECTION
REFERENCING

UPPER NUMBER IS REFERENCE NUMBER OF
SECTION OR DETAIL, AND DOES NOT CHANGE.

LOWER NUMBER:
IF ON A DETAIL/SECTION SHEET, REFERS
TO SHEET ON WHICH SECTION IS CUT.

IF ON A PLAN SHEET, REFERS TO SHEET
ON WHICH DETAIL/SECTION APPEARS.

IF BLANK, DETAIL/SECTION ARE ON SAME SHEET



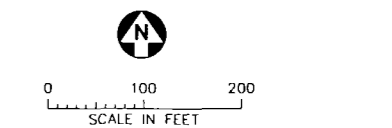
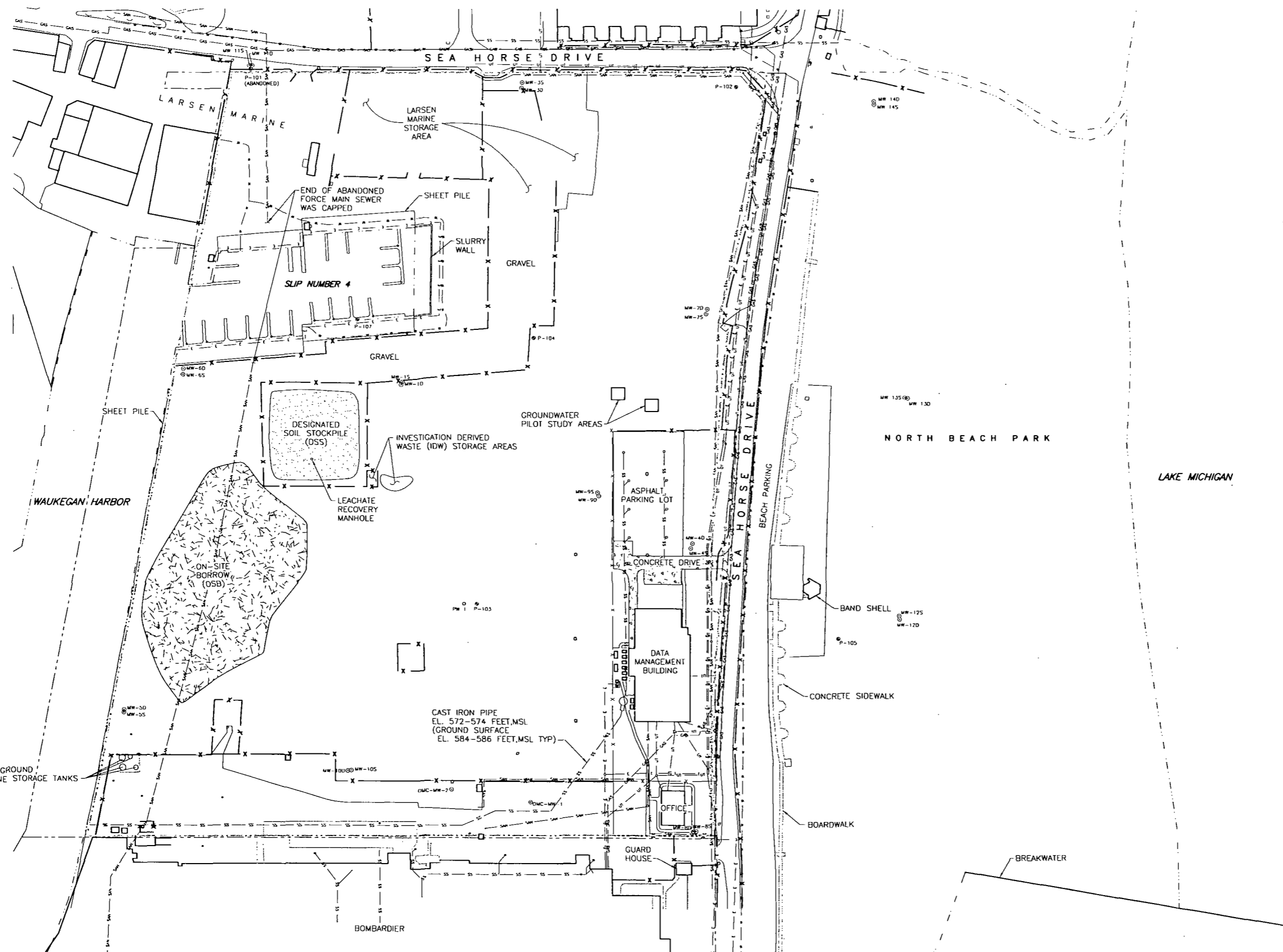
SECTION



DETAIL

X:\data\Drawings - M\Case\1149015\17922_1.DWG
RAW M\Case\1149015\17913_4.DWG Plot at: 1 05/26/2004 14:36:16

				CLIENT BID CONSTRUCTION					BARR Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277	Project Office: BARR ENGINEERING CO. 4700 WEST 77TH STREET MINNEAPOLIS, MN. 55435-4803 Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com	Scale AS SHOWN	WAUKEGAN MANUFACTURED GAS & COKE PLANT SITE Waukegan, Illinois	SOIL REMEDIAL ACTION COVER SHEET, INDEX, AND LOCATION MAP		BARR PROJECT No. 13/49-015JSL075 CLIENT PROJECT No.
NO.	BY	CHK	APP.	DATE	RELEASED TO/FOR	A	B	C	0	1	2	3	DATE RELEASED	DWG. No. G-01	REV. No. 0

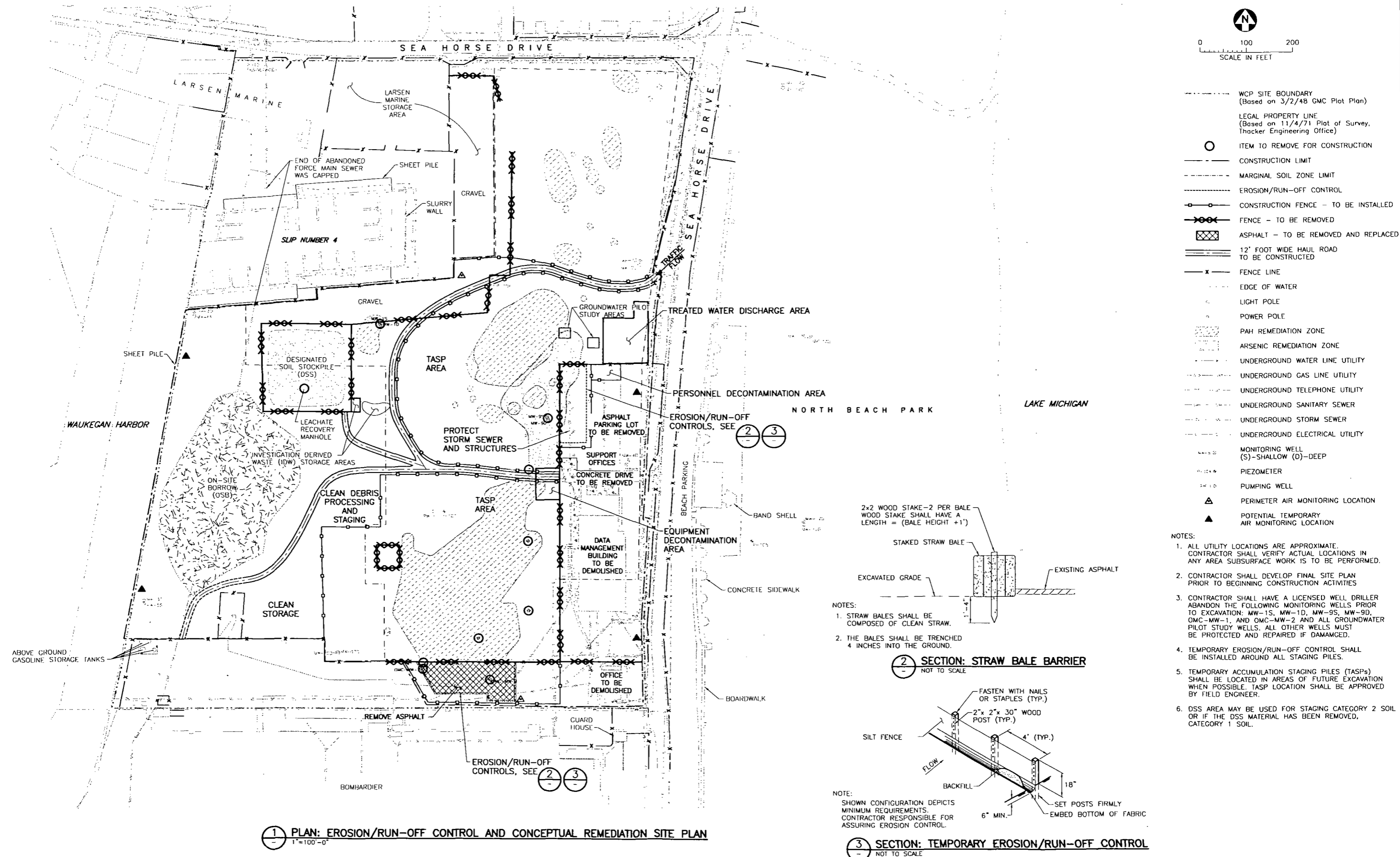



- MONITORING WELL
(S)-SHALLOW (D)-DEEP
- PIEZOMETER
- PUMPING WELL
- LIGHT POLE
- POWER POLE
- WCP SITE BOUNDARY
(Based on 3/2/48 GMC Plot Plan)
- LEGAL PROPERTY LINE
(Based on 11/4/71 Plat of Survey,
Thacker Engineering Office)
- FENCE LINE
- EDGE OF WATER
- UNDERGROUND WATER LINE UTILITY
- UNDERGROUND GAS LINE UTILITY
- UNDERGROUND TELEPHONE UTILITY
- UNDERGROUND SANITARY SEWER
- UNDERGROUND STORM SEWER
- UNDERGROUND ELECTRICAL UTILITY
- NOTES:
1. ALL UTILITY LOCATIONS ARE APPROXIMATE.
CONTRACTOR SHALL VERIFY ACTUAL LOCATIONS IN
ANY AREA SUBSURFACE WORK IS TO BE PERFORMED.
2. UTILITY INFORMATION SHOWN ON THIS SHEET IS
AVAILABLE FROM ENGINEER UPON REQUEST.

1 PLAN: EXISTING SITE CONDITIONS
1"=100'-0"

\\scc\1349015\17849_2.DWG V:\scc\1349015\waukegan survey.dwg V:\scc\1349015\waukegan survey.dwg
R:\waukegan\1349015\17849_2.DWG Plot: 1 05/26/2004 14:34:41

										CLIENT										Project Office:										Scale										AS SHOWN										BARR PROJECT No.									
										BID										BARR ENGINEERING CO.										Date										5/28/04										13/49-015JSL075									
										CONSTRUCTION										4700 WEST 77TH STREET										Drawn										RJW										CLIENT PROJECT No.									
																				MINNEAPOLIS, MN.										Checked																													
																				55435-4803										Designed																				DWG. No.									
																				Corporate Headquarters:										Approved																				C-02									
																				Minneapolis, Minnesota																														REV. No.									
																				Ph: 1-800-632-2277																														0									
																				Fax: (952) 832-2601																																							
																				www.barr.com																																							



										CLIENT BID CONSTRUCTION		 Project Office: BARR ENGINEERING CO. 4700 WEST 77TH STREET MINNEAPOLIS, MN. 55435-4803 Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com		Scale AS SHOWN Date 5/28/04 Drawn RJW Checked Designed Approved		WAUKEGAN MANUFACTURED GAS & COKE PLANT SITE Waukegan, Illinois		SOIL REMEDIAL ACTION EROSION/RUN-OFF CONTROL AND CONCEPTUAL REMEDIATION SITE PLAN		BARR PROJECT No. 13/49-015JSL075 CLIENT PROJECT No.		DWG. No. C-03 REV. No. 0			
NO.	BY	CHK	APP.	DATE	REVISION DESCRIPTION					RELEASED TO/FOR	A	B	C	0	1	2	3	DATE RELEASED							

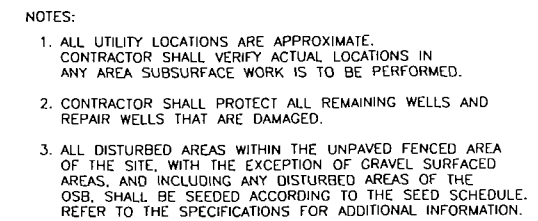
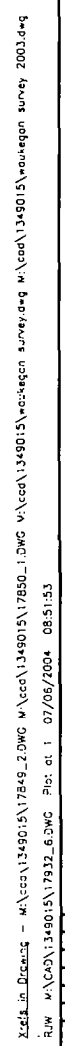


Diagram illustrating a trench cross-section with the following specifications:

- EXISTING GROUND**: The top surface of the trench.
- LIMIT OF MARGINAL ZONE SOIL COVER (MZSC)**: A vertical line indicating the boundary of the marginal zone soil cover.
- 10% MAXIMUM SLOPE**: The slope of the trench walls.
- 10" MINIMUM COVER**: The minimum depth of the trench.
- 6" MINIMUM TOPSOIL**: The minimum depth of the topsoil layer.
- 4" MINIMUM CLEAN OFF-SITE GENERAL FILL**: The minimum depth of the clean off-site general fill layer.
- 6" MINIMUM COVER**: The minimum depth of the cover layer.
- OSB/CATEGORY 3**: The material filling the trench.
- CLEAN, SIZED DEBRIS, IF AVAILABLE**: The material at the bottom of the trench.

A cross-sectional diagram of a trench for OSB/Category 3 waste. The diagram shows a trapezoidal trench with a bottom width of 1.5 units and a top width of 1.5 units. The sides are sloped at a 1:1.5 ratio. The trench is filled with 'OSB/CATEGORY 3' waste. Above the waste, there is a '4" MINIMUM CLEAN OFF-SITE GENERAL FILL' layer. Above this fill, there is a '6" MINIMUM TOPSOIL' layer. The top of the soil is labeled '10" MINIMUM COVER'. The trench is bounded by 'LIMIT OF MZSC' on both sides. The 'EXISTING GROUND' is indicated by a dashed line. The '10% MAXIMUM SLOPE' is indicated on both sides of the trench. A '6" MINIMUM COVER' is indicated at the bottom of the trench. A note at the bottom right says 'CLEAN, SIZED DEBRIS IF AVAILABLE'.

3 SECTION: SOILS COVER
HORIZONTAL: 1"=100'
VERTICAL: 1"=5'

[illegible]

Project Office:
BARR ENGINEERING CO.
4700 WEST 77TH STREET
MINNEAPOLIS, MN.
55435-4803
Ph: 1-800-632-2277
Fax: (952) 832-2601
www.barr.com

Scale	AS SHOWN
Date	5/28/04
Drawn	RJW
Checked	
Designed	
Approved	

WAUKEGAN MANUFACTURED GAS
& COKE PLANT SITE
Waukegan, Illinois

SOIL REMEDIAL ACTION

FINAL GRADE, EXTENT OF COVER AND PLANTING

BARR PROJECT No.	
13/49-015JSL075	
CLIENT PROJECT No.	
DWG. No.	REV. No.
C-05	0

APPENDIX B

LABORATORY ANALYSIS REPORTS



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/45 DATE: May 19, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the two soil samples collected on May 4, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-050405-PP-370

S-050405-PP-371

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (soil)	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/ko/20 DATE: March 9, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the one water and 23 soil samples collected on February 18, 2005, from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The result for 4-methylphenol in sample S-021805-PP-221 has been qualified as estimated (UJ) due to poor recoveries of the acidic surrogate compounds in the semivolatile organic compound (SVOC) analysis of this sample. For the remaining samples, the surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

laboratory control sample percent recovery and RPD data were acceptable.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included arsenic and SVOC analyses of one equipment blank sample. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no analytes detected in the equipment blank sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, with the qualifications stated above.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-021805-PP-037
S-021805-PP-039
S-021805-PP-207
S-021805-PP-208
S-021805-PP-209
S-021805-PP-210
S-021805-PP-211
S-021805-PP-212
S-021805-PP-213
S-021805-PP-214
S-021805-PP-215
S-021805-PP-216
S-021805-PP-217
S-021805-PP-218
S-021805-PP-219
S-021805-PP-220
S-021805-PP-221
S-021805-PP-222
S-021805-PP-223
S-021805-PP-224
S-021805-PP-225
S-021805-PP-226
S-021805-PP-227
W-021805-PP-505

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Arsenic	SW-846 1311/6010B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
SVOCS -water	- 7 days from sample collection to extraction
SVOCS - soil	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis
Total Arsenic	- 180 days from sample collection to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Arsenic	- 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Pritesh Pathak REF. NO.: 019023

FROM: Dave Hendren/lg/54 DATE: August 29, 2005

RE: **Data Quality Assessment and Validation for Wipe Samples Collected from the Waukegan Manufactured Gas and Coke Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the 19 wipe samples collected on August 11, 2005, from the Waukegan Manufactured Gas and Coke Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for PCBs following U. S. Environmental Protection Agency Solid Waste (SW) 846 Method 8082, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The samples were prepared and analyzed within the required holding time period (14 days from collection to preparation, 40 days from preparation to analysis).

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The recoveries of one surrogate compound in samples WS-081105-PP-016 and WS-081105-PP-017 exceeded the acceptable range. Therefore, the reported values for Aroclor 1254 in these samples have been qualified as estimated, and flagged "J". The remaining surrogate recoveries were acceptable.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, with the qualifications stated above.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
PCB WIPE SAMPLING
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

WS-081105-PP-001
WS-081105-PP-002
WS-081105-PP-003
WS-081105-PP-004
WS-081105-PP-005
WS-081105-PP-007
WS-081105-PP-008
WS-081105-PP-010
WS-081105-PP-011
WS-081105-PP-012
WS-081105-PP-013
WS-081105-PP-014
WS-081105-PP-015
WS-081105-PP-016
WS-081105-PP-017
WS-081105-PP-018
WS-081105-PP-019
WS-081105-PP-020
WS-081105-PP-021



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/53 DATE: August 15, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan
Manufactured Gas and Coke Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for five soil samples collected on July 22, 2005, from the Waukegan Manufactured Gas and Coke Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-072205-PP-417

S-072205-PP-418

S-072205-PP-419

S-072205-PP-420

S-072205-PP-421

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (soil)	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/52 DATE: July 18, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the three soil samples collected on June 17, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included analysis of a field duplicate sample. The results for the field duplicate samples analyses are presented in Table 4. The QAPP specifies that an advisory limit of 50% RPD be applied to analytes detected at concentrations at least five times the quantitation limit. Therefore, the reported values for arsenic in samples S-061705-PP-414 and S-061705-PP-415 have been qualified as estimated. All reported values for SVOCs were less than five times their respective quantitation limits and therefore did not require qualification.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, with the qualifications stated above.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-061705-PP-413

S-061705-PP-414

S-061705-PP-415

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
 SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (soil)	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis

TABLE 4

**SUMMARY OF DETECTED ANALYTES FROM FIELD DUPLICATE SAMPLES
SITE INVESTIGATIVE SAMPLING
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Analyte</i>	<i>Investigative Sample (mg/Kg) S-061705-PP-414</i>	<i>Duplicate Sample (mg/Kg) S-061705-PP-415</i>	<i>RPD¹</i>
<u>Metals</u>			
Arsenic	602	320	61
<u>SVOCs</u>			
Benzo(b)fluoranthene	0.84	2.4	96
Benzo(a)pyrene	0.41	1.6	118
Naphthalene	0.47	2.5	137
Benzo(a)anthracene	0.52	1.8	110

¹ RPD - Relative Percent Difference



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/51 DATE: July 13, 2005

RE: **Data Quality Assessment and Validation for Soil Sample Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one water (equipment blank) and one soil sample collected on June 30, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included arsenic and SVOC analyses of one equipment blank sample. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no target analytes detected in the equipment blank sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-063005-PP-416
W-063005-PP-517

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (water)	- 7 days from sample collection to extraction
SVOCs (soil)	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. No.: 019023

FROM: Dave Hendren/lg/50 DATE: June 20, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the eight soil samples collected on June 8, 2005, from the Waukegan Manufactured Gas and Coke Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-060305-PP-405
S-060305-PP-406
S-060305-PP-407
S-060305-PP-408
S-060305-PP-409
S-060305-PP-410
S-060305-PP-411
S-060305-PP-412

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (soil)	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/49 DATE: June 6, 2005

RE: **Data Quality Assessment and Validation for Soil Sample Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one water and one soil sample collected on May 23, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included arsenic and SVOC analyses of one equipment blank sample. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no target analytes detected in the equipment blank sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-052305-PP-404

W-052305-PP-516

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (water)	- 7 days from sample collection to extraction
SVOCs (soil)	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/48 DATE: May 31, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the six soil samples collected on April 25, 2005, from the Waukegan Manufactured Gas and Coke Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-042505-PP-364

S-042505-PP-365

S-042505-PP-366

S-042505-PP-367

S-042505-PP-368

S-042505-PP-369

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (soil)	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/47 DATE: May 31, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the 13 soil samples collected on May 17, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included analysis of a field duplicate sample. The results for the field duplicate samples analyses are presented in Table 4. The QAPP specifies that an advisory limit of 50% RPD be applied to analytes detected at concentrations at least five times the quantitation limit. Therefore, the reported values for arsenic in samples S-051705-PP-401 and S-051705-PP-402 have been qualified as estimated. All reported values for SVOCs were less than five times their respective quantitation limits and therefore did not require qualification.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, with the qualifications stated above.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-051705-PP-391
S-051705-PP-392
S-051705-PP-393
S-051705-PP-394
S-051705-PP-395
S-051705-PP-396
S-051705-PP-397
S-051705-PP-398
S-051705-PP-399
S-051705-PP-400
S-051705-PP-401
S-051705-PP-402
S-051705-PP-403

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (soil)	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis

TABLE 4

SUMMARY OF DETECTED ANALYTES FROM FIELD DUPLICATE SAMPLES
 SITE INVESTIGATIVE SAMPLING
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Analyte</i>	<i>Investigative Sample (mg/Kg)</i>	<i>Duplicate Sample (mg/Kg)</i>	<i>RPD</i> ¹
	<i>S-051705-PP-401</i>	<i>S-051705-PP-402</i>	
<u>Metals</u>			
Arsenic	77	172	76
<u>SVOCs</u>			
Benzo(b)fluoranthene	280	1,900	149
Benzo(a)pyrene	230	1,500	147
Dibenzofuran	360	2,300	146
Naphthalene	2,000	14,000	150
Benzo(a)anthracene	340	2,200	146

¹ RPD - Relative Percent Difference



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/46 DATE: May 24, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the four soil samples collected on May 10, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-051005-PP-387

S-051005-PP-388

S-051005-PP-389

S-051005-PP-390

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (soil)	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/45 DATE: May 24, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one water and 17 soil samples collected on May 6, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included analysis of one equipment blank sample and the analysis of a field duplicate sample. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no target analytes detected in the equipment blank sample.

The results for the field duplicate samples analyses are presented in Table 4. The QAPP specifies that an advisory limit of 50% RPD be applied to analytes detected at concentrations at least five times the quantitation limit. Therefore, the reported values for lead in samples S-050605-PP-374 and S-050605-PP-375 have been qualified as estimated.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, with the qualifications stated above.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-050605-PP-085
S-050605-PP-087
S-050605-PP-372
S-050605-PP-373
S-050605-PP-374
S-050605-PP-375
S-050605-PP-376
S-050605-PP-377
S-050605-PP-378
S-050605-PP-379
S-050605-PP-380
S-050605-PP-381
S-050605-PP-382
S-050605-PP-383
S-050605-PP-384
S-050605-PP-385
S-050605-PP-386
W-050605-PP-515

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Volatile Organic Compounds (VOCs)	SW-846 8260B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP-VOCs	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Arsenic	SW-846 1311/6010B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs -water	- 7 days from sample collection to extraction
SVOCs -soil	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample leaching to completion of analysis
TCLP-Arsenic	- 180 days from sample leaching to completion of analysis

TABLE 4

SUMMARY OF DETECTED ANALYTES FROM FIELD DUPLICATE SAMPLES
 SITE INVESTIGATIVE SAMPLING
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Analyte</i>	<i>Investigative Sample (mg/Kg)</i>	<i>Duplicate Sample (mg/Kg)</i>	<i>RPD¹</i>
	<i>S-050605-PP-374</i>	<i>S-050605-PP-375</i>	
<u>Metals</u>			
Arsenic	124	49.2	86
<u>SVOCs</u>			
Benzo(b)fluoranthene	3.0	2.9	3
Benzo(a)pyrene	1.6	2.0	22
Benzo(a)anthracene	2.2	2.6	17

¹ RPD - Relative Percent Difference



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/44 DATE: May 12, 2005

RE: **Data Quality Assessment and Validation for the Soil Sample Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one soil sample collected on April 29, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The sample identified in Table 1 was analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The sample was prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative sample were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compound percent recoveries were acceptable, or qualification of data was not required due to surrogate recoveries.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with this sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-042905-PP-601

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP-VOCs	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Metals	SW-846 1311/6010B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Metals	- 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/43 DATE: May 3, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan
Manufactured Gas and Coke Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the 11 soil samples collected on April 15, 2005, from the Waukegan Manufactured Gas and Coke Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-041505-PP-322
S-041505-PP-323
S-041505-PP-324
S-041505-PP-325
S-041505-PP-326
S-041505-PP-327
S-041505-PP-328
S-041505-PP-329
S-041505-PP-330
S-041505-PP-332
S-041505-PP-333

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (soil)	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/42 DATE: May 2, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the 14 soil samples collected on April 19, 2005, from the Waukegan Manufactured Gas and Coke Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-041905-PP-340
S-041905-PP-341
S-041905-PP-342
S-041905-PP-343
S-041905-PP-344
S-041905-PP-345
S-041905-PP-346
S-041905-PP-347
S-041905-PP-348
S-041905-PP-349
S-041905-PP-350
S-041905-PP-351
S-041905-PP-352
S-041905-PP-353

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (soil)	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/41 DATE: May 2, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one water and 11 soil samples collected on April 20, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included arsenic and SVOC analyses of one equipment blank sample. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no target analytes detected in the equipment blank sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-042005-PP-083
S-042005-PP-354
S-042005-PP-355
S-042005-PP-356
S-042005-PP-357
S-042005-PP-358
S-042005-PP-359
S-042005-PP-360
S-042005-PP-361
S-042005-PP-362
S-042005-PP-363
W-042005-PP-514

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP-VOCs	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Arsenic	SW-846 1311/6010B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs -water	- 7 days from sample collection to extraction
SVOCs -soil	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Arsenic	- 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/40 DATE: May 2, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for two water and eight soil samples collected on April 18, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included analyses of two equipment blank samples. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no target analytes detected in the equipment blank samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-041805-PP-081
S-041805-PP-331
S-041805-PP-334
S-041805-PP-335
S-041805-PP-336
S-041805-PP-337
S-041805-PP-338
S-041805-PP-339
W-041805-PP-512
W-041805-PP-513

TABLE 2

SUMMARY OF ANALYTICAL METHODS

SOIL REMEDIAL ACTION

WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE

WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP-VOCs	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Arsenic	SW-846 1311/6010B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs -water	- 7 days from sample collection to extraction
SVOCs -soil	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Arsenic	- 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/39 DATE: April 22, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one water and 14 soil samples collected on April 12, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included arsenic and SVOC analyses of one equipment blank sample. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no target analytes detected in the equipment blank sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-041205-PP-077
S-041205-PP-079
S-041205-PP-310
S-041205-PP-311
S-041205-PP-312
S-041205-PP-313
S-041205-PP-314
S-041205-PP-315
S-041205-PP-316
S-041205-PP-317
S-041205-PP-318
S-041205-PP-319
S-041205-PP-320
S-041205-PP-321
W-041205-PP-511

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP-VOCs	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Arsenic	SW-846 1311/6010B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs -water	- 7 days from sample collection to extraction
SVOCs -soil	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Arsenic	- 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/Ig/38 DATE: April 21, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the 10 soil samples collected on March 22, 2005, from the Waukegan Manufactured Gas and Coke Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-032205-PP-264
S-032205-PP-265
S-032205-PP-266
S-032205-PP-267
S-032205-PP-268
S-032205-PP-269
S-032205-PP-270
S-032205-PP-271
S-032205-PP-272
S-032205-PP-273

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/37 DATE: April 21, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the five soil samples collected on April 11, 2005, from the Waukegan Manufactured Gas and Coke Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-041105-PP-303
S-041105-PP-304
S-041105-PP-305
S-041105-PP-306
S-041105-PP-309

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (soil)	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/36 DATE: April 19, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the two soil samples collected on April 8, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-040805-PP-307

S-040805-PP-308

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/35 DATE: April 13, 2005

RE: **Data Quality Assessment and Validation for the Soil Sample Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one soil sample collected on April 1, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The sample identified in Table 1 was analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The sample was prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative sample were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to the sample prior to preparation and analysis. The surrogate compound percent recoveries were acceptable, or qualification of data was not required due to surrogate recoveries.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with this sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-040105-PP-302

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (soil)	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/34 DATE: April 8, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one water and 14 soil samples collected on March 23, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included arsenic and SVOC analyses of one equipment blank sample. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no target analytes detected in the equipment blank sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-032305-PP-069
S-032305-PP-071
S-032305-PP-073
S-032305-PP-075
S-032305-PP-274
S-032305-PP-275
S-032305-PP-276
S-032305-PP-277
S-032305-PP-278
S-032305-PP-279
S-032305-PP-280
S-032305-PP-281
S-032305-PP-282
S-032305-PP-283
W-032305-PP-509

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Arsenic	SW-846 1311/6010B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
SVOCS - water	- 7 days from sample collection to extraction
SVOCS - soil	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis
Total Arsenic	- 180 days from sample collection to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Arsenic	- 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/33 DATE: April 8, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one water and 17 soil samples collected on March 29, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included arsenic and SVOC analyses of one equipment blank sample. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no target analytes detected in the equipment blank sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-032905-PP-284
S-032905-PP-285
S-032905-PP-286
S-032905-PP-287
S-032905-PP-288
S-032905-PP-289
S-032905-PP-290
S-032905-PP-291
S-032905-PP-292
S-032905-PP-293
S-032905-PP-294
S-032905-PP-295
S-032905-PP-296
S-032905-PP-297
S-032905-PP-298
S-032905-PP-299
S-032905-PP-300
W-032905-PP-510

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (water)	- 7 days from sample collection to extraction
SVOCs (soil)	- 14 days from sample collection to extraction
	- 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/32 DATE: April 8 2005

RE: **Data Quality Assessment and Validation for the Soil Sample Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one soil sample collected on March 30, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The sample identified in Table 1 was analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The sample was prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative sample were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to the sample prior to preparation and analysis. The surrogate compound percent recoveries were acceptable, or qualification of data was not required due to surrogate recoveries.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with this sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-033005-PP-301

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (soil)	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/31 DATE: March 30, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan
Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one water and 12 soil samples collected on March 21, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included arsenic and SVOC analyses of one equipment blank sample. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no target analytes detected in the equipment blank sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-032105-PP-252
S-032105-PP-253
S-032105-PP-254
S-032105-PP-255
S-032105-PP-256
S-032105-PP-257
S-032105-PP-258
S-032105-PP-259
S-032105-PP-260
S-032105-PP-261
S-032105-PP-262
S-032105-PP-263
W-032105-PP-508

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (water)	- 7 days from sample collection to extraction
SVOCs (soil)	- 14 days from sample collection to extraction
	- 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023-84

FROM: Dave Hendren/lg/30 DATE: March 30, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the two soil samples collected on March 18, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. As a result of poor recoveries of the acidic surrogate semivolatile compounds in both samples, the detection limits of the following compounds have been qualified as estimated; o-cresol, m-cresol & p-cresol, pentachlorophenol, 2,4,5-trichlorophenol, and 2,4,6-trichlorophenol. The remaining surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

laboratory control sample percent recovery and RPD data were acceptable.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, with the qualifications stated above.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-031805-PP-065

S-031805-PP-067

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP-Arsenic	SW-846 1311/6010B
TCLP-Semivolatile Organic Compounds (SVOCs)	SW-846 1311/8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B

Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample leaching to completion of analysis
TCLP-Arsenic	- 180 days from sample leaching to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023-84

FROM: Dave Hendren/lg/29 DATE: March 30, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the six soil samples collected on March 15, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. As a result of poor surrogate recoveries in sample S-031505-PP-246 the results for all SVOC, except naphthalene have been qualified as estimated. The remaining surrogate compounds percent recoveries were acceptable, or qualification of sample data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, with the qualifications stated above.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-031505-PP-246

S-031505-PP-247

S-031505-PP-248

S-031505-PP-249

S-031505-PP-250

S-031505-PP-251

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/28 DATE: March 30, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the two soil samples collected on March 17, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-031705-PP-061

S-031705-PP-063

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP - Benzene	SW-846 1311/8260B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
TCLP	- 14 days from sample collection to leaching
TCLP-Benzene	- 14 days from sample collection (leaching) to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/27 DATE: March 22, 2005

RE: **Data Quality Assessment and Validation for the Soil Sample Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one soil sample collected on March 10, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The sample identified in Table 1 was analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The sample was prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative sample were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compound percent recoveries were acceptable, or qualification of data was not required due to surrogate recoveries.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with this sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

SAMPLE IDENTIFICATION NUMBERS

SOIL REMEDIAL ACTION

WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE

WAUKEGAN, ILLINOIS

S-031005-PP-059

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Volatile Organic Compounds (VOCs)	SW-846 8260B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP-VOCs	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Arsenic	SW-846 1311/6010B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
VOCs	- 14 days from sample collection to completion of analysis
SVOCs	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Arsenic	- 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/26 DATE: March 18, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the two soil samples collected on March 9, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-030905-PP-055

S-030905-PP-057

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP-Arsenic	SW-846 1311/6010B
TCLP-Semivolatile Organic Compounds (SVOCs)	SW-846 1311/8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B

Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample leaching to completion of analysis
TCLP-Arsenic	- 180 days from sample leaching to completion of analysis



MEMORANDUM

TO: Tim Leo REF. No.: 019023

FROM: Dave Hendren/lg/25 DATE: March 18, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the seven soil samples collected on March 4, 2005, from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-030405-PP-053
S-030405-PP-240
S-030405-PP-241
S-030405-PP-242
S-030405-PP-243
S-030405-PP-244
S-030405-PP-245

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Arsenic	SW-846 1311/6010B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
SVOCS	<ul style="list-style-type: none"> - 14 days from sample collection to extraction - 40 days from extraction to completion of analysis
Total Arsenic	<ul style="list-style-type: none"> - 180 days from sample collection to completion of analysis
TCLP	<ul style="list-style-type: none"> - 14 days from sample collection to leaching
TCLP - SVOCs	<ul style="list-style-type: none"> - 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	<ul style="list-style-type: none"> - 14 days from sample collection (leaching) to completion of analysis
TCLP-Arsenic	<ul style="list-style-type: none"> - 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/24 DATE: March 18, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for two soil samples collected on March 2, 2005, from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compound percent recoveries were acceptable, or qualification of data was not required due to surrogate recoveries.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-030205-PP-049

S-030205-PP-051

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP-Arsenic	SW-846 1311/6010B
TCLP-Semivolatile Organic Compounds (SVOCs)	SW-846 1311/8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B

Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample leaching to completion of analysis
TCLP-Arsenic	- 180 days from sample leaching to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/23 DATE: March 18, 2005

RE: **Data Quality Assessment and Validation for the Soil Sample Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one soil sample collected on March 1, 2005, from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois. The sample identified in Table 1 was analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The sample was prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative sample were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compound percent recoveries were acceptable, or qualification of data was not required due to surrogate recoveries.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with this sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-030105-PP-047

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP-Arsenic	SW-846 1311/6010B
TCLP-Semivolatile Organic Compounds (SVOCs)	SW-846 1311/8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B

Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample leaching to completion of analysis
TCLP-Arsenic	- 180 days from sample leaching to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/22 DATE: March 14, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for four soil samples collected on February 25, 2005, from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compound percent recoveries were acceptable, or qualification of data was not required due to surrogate recoveries.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-022505-PP-045
S-022505-PP-237
S-022505-PP-238
S-022505-PP-239

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Arsenic	SW-846 1311/6010B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
SVOCS	<ul style="list-style-type: none"> - 14 days from sample collection to extraction - 40 days from extraction to completion of analysis
Total Arsenic	<ul style="list-style-type: none"> - 180 days from sample collection to completion of analysis
TCLP	<ul style="list-style-type: none"> - 14 days from sample collection to leaching
TCLP - SVOCs	<ul style="list-style-type: none"> - 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	<ul style="list-style-type: none"> - 14 days from sample collection (leaching) to completion of analysis
TCLP-Arsenic	<ul style="list-style-type: none"> - 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/21 DATE: March 11, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for two water and 11 soil samples collected on February 22, 2005, from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The results for o, m, and p-cresol, pentachlorophenol, 2,4,5-trichlorophenol, and 2,4,6-trichlorophenol in sample S-022205-PP-041 have been qualified as estimated (UJ) due to poor recoveries of the acidic surrogate compounds in this sample. For the remaining samples, the surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

laboratory control sample percent recovery and RPD data were acceptable.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included arsenic and SVOC analyses of two equipment blank samples. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no analytes detected in the equipment blank samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, with the qualifications stated above.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-022205-PP-041
S-022205-PP-043
S-022205-PP-228
S-022205-PP-229
S-022205-PP-230
S-022205-PP-231
S-022205-PP-232
S-022205-PP-233
S-022205-PP-234
S-022205-PP-235
S-022205-PP-236
W-022205-PP-506
W-022205-PP-507

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Arsenic	SW-846 1311/6010B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
SVOCS -water	- 7 days from sample collection to extraction
SVOCS - soil	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis
Total Arsenic	- 180 days from sample collection to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Arsenic	- 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/20 DATE: March 3, 2005

RE: **Data Quality Assessment and Validation for Soil Sample Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one-soil sample collected on February 16, 2005, from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois. The sample identified in Table 1 was analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The sample was prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative sample was not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The results for o-cresol, m-cresol, p-cresol, pentachlorophenol, 2,4,5-trichlorophenol, and 2,4,6-trichlorophenol, have been qualified as estimated (UJ) due to poor recoveries of the acidic semivolatile surrogate compounds in this sample.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with this sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, with the qualifications stated above.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-021605-PP-035
/

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP-Arsenic	SW-846 1311/6010B
TCLP-Semivolatile Organic Compounds (SVOCs)	SW-846 1311/8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B

Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
TCLP-Arsenic	- 180 days from sample collection to completion of analysis
TCLP - SVOCs	- 14 days from sample collection to leaching - 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection to leaching - 14 days from sample leaching to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/19 DATE: February 28, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for one water and 16 soil samples collected on February 11, 2005, from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included arsenic and SVOC analyses of one equipment blank sample. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no target analytes detected in the equipment blank sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-021105-PP-191
S-021105-PP-192
S-021105-PP-193
S-021105-PP-194
S-021105-PP-195
S-021105-PP-196
S-021105-PP-197
S-021105-PP-198
S-021105-PP-199
S-021105-PP-200
S-021105-PP-201
S-021105-PP-202
S-021105-PP-203
S-021105-PP-204
S-021105-PP-205
S-021105-PP-206
W-021105-PP-504

TABLE 2
SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs (water)	- 7 days from sample collection to extraction
SVOCs (soil)	- 14 days from sample collection to extraction
	- 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/18 DATE: February 23, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the three soil samples collected on February 10, 2005, from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The results for o-cresol, m-cresol, p-cresol, pentachlorophenol, 2,4,5-trichlorophenol, and 2,4,6-trichlorophenol, in sample S-021005-PP-031 have been qualified as estimated (UJ) due to poor recoveries of the acidic surrogate compounds in this sample. For the remaining samples, the surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

laboratory control sample percent recovery and RPD data were acceptable.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, with the qualifications stated above.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-021005-PP-029

S-021005-PP-031

S-021005-PP-033

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Toxicity Characteristic Leaching Procedure (TCLP)	SW-846 1311
TCLP-Arsenic	SW-846 1311/6010B
TCLP-Semivolatile Organic Compounds (SVOCs)	SW-846 1311/8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B

Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
TCLP-Arsenic	- 180 days from sample collection to completion of analysis
TCLP - SVOCs	- 14 days from sample collection to leaching - 7 days from sample leaching to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection to leaching - 14 days from sample leaching to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/17 DATE: February 21, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the five soil samples collected on February 7, 2005, from the Waukegan Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-020705-PP-025
S-020705-PP-027
S-020705-PP-188
S-020705-PP-189
S-020705-PP-190

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Arsenic	SW-846 1311/6010B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample collection (leaching) to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Arsenic	- 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/16 DATE: February 18, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the one water and 15 soil samples collected on February 2, 2005, from the Waukegan Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The results for o-cresol, m-cresol, p-cresol, pentachlorophenol, 2,4,5-trichlorophenol, and 2,4,6-trichlorophenol, in samples S-020205-PP-021 and S-020205-PP-023 have been qualified as estimated (UJ) due to poor recoveries of the acidic surrogate compounds in these samples. For the remaining samples, the surrogate compounds percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

(RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included arsenic and SVOC analyses of one equipment blank sample. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no analytes detected in the equipment blank sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, with the qualifications stated above.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-020205-PP-021
S-020205-PP-023
S-020205-PP-175
S-020205-PP-176
S-020205-PP-177
S-020205-PP-178
S-020205-PP-179
S-020205-PP-180
S-020205-PP-181
S-020205-PP-182
S-020205-PP-183
S-020205-PP-184
S-020205-PP-185
S-020205-PP-186
S-020205-PP-187
W-020205-PP-503

TABLE 2

SUMMARY OF ANALYTICAL METHODS

SOIL REMEDIAL ACTION

WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE

WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Arsenic	SW-846 1311/6010B/7470A

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample collection (leaching) to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Arsenic	- 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/15 DATE: February 15, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the one water and 15 soil samples collected on January 31, 2005, from the Waukegan Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The results for o-cresol, m-cresol, p-cresol, pentachlorophenol, 2,4,5-trichlorophenol, and 2,4,6-trichlorophenol, in sample S-013105-PP-019 have been qualified as estimated (UJ) due to poor recoveries of the acidic surrogate compounds. For the remaining samples, the surrogate compound percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

laboratory control sample percent recovery and RPD data were acceptable.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included arsenic and SVOC analyses of one equipment blank sample. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no analytes detected in the equipment blank sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, with the qualifications stated above.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-013105-PP-017
S-013105-PP-019
S-013105-PP-162
S-013105-PP-163
S-013105-PP-164
S-013105-PP-165
S-013105-PP-166
S-013105-PP-167
S-013105-PP-168
S-013105-PP-169
S-013105-PP-170
S-013105-PP-171
S-013105-PP-172
S-013105-PP-173
S-013105-PP-174
W-013105-PP-502

TABLE 2

SUMMARY OF ANALYTICAL METHODS

SOIL REMEDIAL ACTION

WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE

WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Arsenic	SW-846 1311/6010B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample collection (leaching) to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Arsenic	- 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/14 DATE: January 27, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the nine soil samples collected on January 12, 2005, from the Waukegan Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compound percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with this sampling event.

Overall Assessment

The temperature of the sample shipping cooler exceeded the recommended sample holding temperature, upon arrival at the laboratory. No qualification of data was judged to be necessary. The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-011205-PP-154
S-011205-PP-155
S-011205-PP-156
S-011205-PP-157
S-011205-PP-158
S-011205-PP-159
S-011205-PP-160
S-011205-PP-161
S-011205-PP-015

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Arsenic	SW-846 1311/6010B

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample collection (leaching) to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Arsenic	- 180 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/13 DATE: January 24, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the one water and four soil samples collected on January 10, 2005, from the Waukegan Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compound percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included arsenic and SVOC analyses of one equipment blank sample. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no analytes detected in the equipment blank sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-011005-PP-013
S-011005-PP-151
S-011005-PP-152
S-011005-PP-153
W-011005-PP-501

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Metals	SW-846 1311/6010B/7470A

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample collection (leaching) to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Metals	- 180 days from sample collection to completion of analysis
TCLP-Mercury	- 28 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/12 DATE: January 21, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the one water and nine soil samples collected on January 6, 2005, from the Waukegan Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The result for 4-methylphenol (ND) in sample S-010605-PP-150 has been qualified as estimated (UJ) due to poor recoveries of two acidic surrogate compounds. For the remaining samples, the surrogate compound percent recoveries were acceptable, or qualification of data was not required.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC analyses associated with this sampling event included arsenic and SVOC analyses of one equipment blank sample. Field equipment blank data were evaluated to monitor the efficacy of the field decontamination procedures. There were no analytes detected in the equipment blank sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, with the qualification stated above.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-010605-PP-009
S-010605-PP-011
S-010605-PP-144
S-010605-PP-145
S-010605-PP-146
S-010605-PP-147
S-010605-PP-148
S-010605-PP-149
S-010605-PP-150
W-010605-PP-500

TABLE 2

SUMMARY OF ANALYTICAL METHODS

SOIL REMEDIAL ACTION

WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE

WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Metals	SW-846 1311/6010B/7470A

¹ Methods were referenced from:
 SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample collection (leaching) to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Metals	- 180 days from sample collection to completion of analysis
TCLP-Mercury	- 28 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/11 DATE: January 21, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the 16 soil samples collected on January 4, 2005, from the Waukegan Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compound percent recoveries were acceptable, or qualification of data was not required due to surrogate recoveries.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-010405-PP-004
S-010405-PP-007
S-010405-PP-008
S-010405-PP-131
S-010405-PP-132
S-010405-PP-133
S-010405-PP-134
S-010405-PP-135
S-010405-PP-136
S-010405-PP-137
S-010405-PP-138
S-010405-PP-139
S-010405-PP-140
S-010405-PP-141
S-010405-PP-142
S-010405-PP-143

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Metals	SW-846 1311/6010B/7470A

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample collection (leaching) to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Metals	- 180 days from sample collection to completion of analysis
TCLP-Mercury	- 28 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/10 DATE: January 14, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the nine soil samples collected on December 9, 2004, from the Waukegan Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compound percent recoveries were acceptable, or qualification of data was not required due to surrogate recoveries.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-120904-PP-001
S-120904-PP-002
S-120904-PP-003
S-120904-PP-101
S-120904-PP-102
S-120904-PP-103
S-120904-PP-104
S-120904-PP-105
S-120904-PP-106

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Metals	SW-846 1311/6010B/7470A

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample collection (leaching) to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Metals	- 180 days from sample collection to completion of analysis
TCLP-Mercury	- 28 days from sample collection to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/9 DATE: January 12, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the 21 soil samples collected on December 16, 2004, from the Waukegan Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compound percent recoveries were acceptable, or qualification of data was not required due to surrogate recoveries.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

S-121604-TL-110
S-121604-TL-111
S-121604-TL-112
S-121604-TL-113
S-121604-TL-114
S-121604-TL-115
S-121604-TL-116
S-121604-TL-117
S-121604-TL-118
S-121604-TL-119
S-121604-TL-120
S-121604-TL-121
S-121604-TL-122
S-121604-TL-123
S-121604-TL-124
S-121604-TL-125
S-121604-TL-126
S-121604-TL-127
S-121604-TL-128
S-121604-TL-129
S-121604-TL-130

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3
HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
SVOCs	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis



MEMORANDUM

TO: Tim Leo REF. NO.: 019023

FROM: Dave Hendren/lg/8 DATE: January 12, 2005

RE: **Data Quality Assessment and Validation for Soil Samples Collected from the Waukegan Manufactured Coke and Gas Site in Waukegan, Illinois.**

The following details the data quality assessment and validation conducted for the five soil samples collected on December 14, 2004, from the Waukegan Coke and Gas Site in Waukegan, Illinois. The samples identified in Table 1 were analyzed for the parameters shown in Table 2, by Severn Trent Laboratories (STL) of North Canton, Ohio. The quality assurance criteria used to assess the data were established by the method.¹

Holding Time Period

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Sample Data

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. There were no target compounds detected in the method blanks.

Surrogate Compound Analyses

Analytical performance on an individual sample basis for organic analyses was evaluated by the percent recovery data of surrogate compounds that were added to each sample prior to preparation and analysis. The surrogate compound percent recoveries were acceptable, or qualification of data was not required due to surrogate recoveries.

Laboratory Control Sample (LCS) Analyses

Analytical accuracy and precision were evaluated by the percent recovery and relative percent difference (RPD) data from the analysis of LCS samples (also referred to as laboratory fortified blanks). The duplicate laboratory control sample percent recovery and RPD data were acceptable.

¹ Application of quality assurance evaluation criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The MS/MSD percent recovery and RPD data were acceptable, or qualification of data was not required due to MS/MSD recoveries.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC analyses associated with these samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use, without qualification.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

S-121404-TL-005

S-121404-TL-006

S-121404-TL-107

S-121404-TL-108

S-121404-TL-109

TABLE 2

SUMMARY OF ANALYTICAL METHODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Arsenic	SW-846 6010B
Semivolatile Organic Compounds (SVOCs)	SW-846 8270C
TCLP- Volatile Organic Compounds (VOCs)	SW-846 1311/8260B
TCLP-SVOCs	SW-846 1311/8270C
TCLP-Metals	SW-846 1311/6010B/7470A

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through IIIA, November 1986.

TABLE 3

HOLDING TIME PERIODS
SOIL REMEDIAL ACTION
WAUKEGAN MANUFACTURED COKE AND GAS PLANT SITE
WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Total Arsenic	- 180 days from sample collection to completion of analysis
TCLP	- 14 days from sample collection to leaching
TCLP - SVOCs	- 7 days from sample collection (leaching) to extraction - 40 days from extraction to completion of analysis
TCLP-VOCs	- 14 days from sample collection (leaching) to completion of analysis
TCLP-Metals	- 180 days from sample collection to completion of analysis
TCLP-Mercury	- 28 days from sample collection to completion of analysis



MEMORANDUM

TO: Alan VanNorman REF. NO.: 019023-64

FROM: Steve Castagneri/ko/7 DATE: June 25, 2003

RE: **Data Quality Assessment and Validation for the Sediment Samples
Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details a data quality assessment and validation for the sediment samples collected April 23, 2003 from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples were analyzed for the parameters identified in Table 2 by Severn Trent Laboratories of North Canton, Ohio using the methods identified in Table 2. The quality assurance criteria used to assess the data were established by the methods and the quality assurance project plan (QAPP)¹.

Holding Time Periods

The holding time periods are presented in Table 3. The samples were prepared and analyzed within the required holding time periods.

Method Blank Samples

Contamination of samples contributed by laboratory conditions or procedures was monitored by the data from concurrent preparation and analysis of method blank samples. Analytes were not detected in the method blank samples.

Surrogate Compound Analyses

Individual sample performance for the organic analyses was monitored by assessing surrogate compound percent recovery data. The surrogate compound percent recovery data were acceptable.

Laboratory Control Sample Analyses

Laboratory control samples (LCS) analyses were performed to monitor the accuracy of the laboratory preparation and analysis methods. The LCS percent recovery data were acceptable.

¹ Application of quality assurance criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999 and "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", EPA-540/R-94-013, February 1994.

Duplicate LCS Sample Analysis

Duplicate LCSs were analyzed to assess the accuracy and precision of the laboratory preparation and analysis methods. The LCS percent recovery and relative percent difference (RPD) data were acceptable.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. The percent recovery data for aroclor 1016 in one MS/MSD sample violated the acceptance criteria. As a result, the aroclor 1248 data for sample S-042303-WP-003 should be qualified as estimated (J). The remaining MS/MSD percent recovery and RPD data were acceptable.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC consisted of one field equipment rinsate blank sample and one field duplicate sample set.

To monitor the effectiveness of the equipment decontamination procedures, a field equipment rinsate blank sample was collected and analyzed. Analytes were not detected in the field equipment rinsate blank sample.

Overall precision for the sampling and analysis event was monitored by the results of a field duplicate sample set. Table 4 summarizes detected analyte data from the field duplicate sample set. The QAPP specified an advisory RPD limit of 50 percent for evaluating field duplicate data. The RPD data were acceptable for the field duplicate sample set.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use with the qualifications noted.

Attachments

TABLE 1

**SAMPLE IDENTIFICATION NUMBERS
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

Sample ID

S-042303-WP-001
S-042303-WP-002
S-042303-WP-003
W-042303-WP-004
S-042303-WP-005

TABLE 2

**SUMMARY OF ANALYTICAL METHODS
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Parameter</i>	<i>Analytical Method</i> ¹
Total Petroleum Hydrocarbons - Diesel Range Organics (TPH-DRO)	SW-846 8015B
Polychlorinated Biphenyls (PCBs)	SW-846 8082
Polynuclear Aromatic Hydrocarbons (PAHs)	SW-846 8270C (SIM) ²
Total arsenic	SW-846 6010B

¹ Methods were referenced from:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846,
3rd Edition with Updates I through III, November 1986.

² SIM - Selective Ion Monitoring

TABLE 3

**HOLDING TIME PERIODS
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Parameter</i>	<i>Holding Time Period</i>
TPH-DRO,PCBs,PAHs	<ul style="list-style-type: none">- 14 days from sample collection to extraction- 40 days from extraction to completion of analysis
Total arsenic	<ul style="list-style-type: none">- 180 days from sample collection to completion of analysis

TABLE 4

SUMMARY OF DETECTED ANALYTES FROM FIELD DUPLICATE SAMPLE SET
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Analyte</i>	<i>Investigative Sample S-042303-WP-001</i>	<i>Duplicate Sample S-042303-WP-002</i>	<i>RPD¹</i>
Acenaphthene	920 µg/kg	850 µg/kg	7.9
Acenaphthylene	66 µg/kg	61 µg/kg	7.9
Anthracene	570 µg/kg	480 µg/kg	17
Benzo(a)anthracene	720 µg/kg	650 µg/kg	10
Benzo(a)pyrene	420 µg/kg	350 µg/kg	18
Benzo(b)fluoranthene	540 µg/kg	490 µg/kg	9.7
Benzo(ghi)perylene	190 µg/kg	150 µg/kg	24
Benzo(k)fluoranthene	360 µg/kg	280 µg/kg	25
Chrysene	720 µg/kg	660 µg/kg	8.7
Dibenzo(a,h)anthracene	65 µg/kg	56 µg/kg	15
Fluoranthene	1,900 µg/kg	1,600 µg/kg	17
Fluorene	760 µg/kg	690 µg/kg	9.7
Indeno(1,2,3-cd)pyrene	170 µg/kg	140 µg/kg	19
Naphthalene	3,800 µg/kg	3,200 µg/kg	17
Phenanthrene	1,900 µg/kg	1,600 µg/kg	17
Pyrene	1,600 µg/kg	1,300 µg/kg	21
TPH-DRO	87 mg/kg	120 mg/kg	32
Aroclor 1248	760 µg/kg	690 µg/kg	10
Arsenic	21.2 mg/kg	20.5 mg/kg	3.4

¹ RPD - Relative Percent Difference



MEMORANDUM

TO: Steve Wanner REF. NO.: 019023-51

FROM: Steve Castagneri/ko/2 DATE: July 26, 2002

C.C.: Steve Day

RE: **Data Quality Assessment and Validation for the Soil Samples
Collected from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois.**

The following details a data quality assessment and validation for the soil samples collected June 3 through June 14, 2002 in support of the Soil Pre-Design Study activities from the Waukegan Manufactured Gas and Coke Plant Site in Waukegan, Illinois. The samples were selectively analyzed for total arsenic and site-specific semivolatile organic compounds (SVOCs) by Severn Trent Laboratories of North Canton, Ohio. The analytical methods are identified in Table 1. The quality assurance criteria used to assess the data were established by the methods and the quality assurance project plan (QAPP)¹.

Holding Time Periods

The holding time periods are presented in Table 2. The samples were prepared and analyzed within the required holding time periods.

Method Blank Samples

Contamination of samples contributed by laboratory conditions or procedures was monitored by the data from concurrent preparation and analysis of method blank samples. Analytes were not detected in the method blank samples.

Internal Standards Data

The laboratory indicated that the internal standards data for several SVOC samples violated the acceptance criteria. Table 3 presents the sample data that should be qualified as a result of violation of internal standard acceptance criteria. The remaining internal standards data were acceptable.

¹ Application of quality assurance criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999 and "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", EPA-540/R-94-013, February 1994.

Surrogate Compound Analyses

Individual sample performance for the organic analyses was monitored by assessing surrogate compound percent recovery data. The surrogate compound percent recovery data for several SVOC samples could not be assessed as the surrogates were diluted out due to high concentrations of target analytes. Data qualification in these instances is not required. The remaining surrogate compound percent recovery data were acceptable.

Laboratory Control Sample Analyses

Laboratory control sample (LCS) analyses were performed to monitor the accuracy of the laboratory preparation and analysis methods. The LCS percent recovery data were acceptable.

Duplicate LCS Sample Analysis

Duplicate LCSs were analyzed to assess the accuracy and precision of the laboratory preparation and analysis methods. The LCS percent recovery and relative percent difference (RPD) data were acceptable.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Analyses

To assess the accuracy and precision of the analytical methods relative to the sample matrices, MS/MSD percent recoveries and RPDs were determined. Table 4 presents the sample data that should be qualified resulting from violation of MS/MSD percent recovery acceptance criteria. The percent recovery data for several SVOC compounds in numerous MS/MSD samples violated the acceptance criteria due to dilution. Data qualification in these instances is not required. In addition, the percent recovery data for total arsenic in one MS/MSD sample could not be determined as the amount of arsenic spiked added to the sample was insignificant compared the native arsenic concentration present in the sample. Data qualification in this instance is not required. The remaining MS/MSD percent recovery and RPD data were acceptable.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC consisted of twenty-eight field equipment rinsate blank samples and seventeen field duplicate sample sets.

To monitor the effectiveness of the equipment decontamination procedures, field equipment rinsate blank samples were collected and analyzed. Analytes were not detected in the field equipment rinsate blank samples.

Overall precision for the sampling and analysis event was monitored by the results of field duplicate sample sets. Table 5 summarizes detected analyte data from the field duplicate sample sets. The QAPP specified an advisory RPD limit of 50 percent for evaluating field duplicate data. The RPDs calculated for select SVOC compounds in several duplicate sample sets exceeded the advisory RPD limit and indicate excessive variability. Table 6 presents the sample data that should be qualified resulting from excessive field duplicate variability. The remaining RPD data were acceptable or analytes were not present in the samples in concentrations significant enough to effectively evaluate precision.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and are suitable for their intended use with the qualifications noted.

Attachments

TABLE 1

SUMMARY OF ANALYTICAL METHODS

WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE

WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
Site-specific semivolatile organic compounds (SVOCs) ²	SW-846 8270C
Total arsenic	SW-846 6010B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through III, November 1986.

² Site-specific SVOCs: Benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, dibenzofuran, indeno(1,2,3-cd)pyrene, 4-methylphenol, naphthalene.

TABLE 2

HOLDING TIME PERIODS

WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE

WAUKEGAN, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
Site-specific SVOCs	<ul style="list-style-type: none"> - 14 days from sample collection to extraction - 40 days from extraction to completion of analysis
Total arsenic	<ul style="list-style-type: none"> - 180 days from sample collection to completion of analysis

TABLE 3

**SUMMARY OF QUALIFIED DATA RESULTING FROM VIOLATION OF
INTERNAL STANDARD ACCEPTANCE CRITERIA
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Sample ID</i>	<i>Analyte</i>	<i>Qualifier</i> ¹
S-060602-WP-037A	Benzo(a)anthracene	J
	Indeno(1,2,3-cd)pyrene	J
S-060602-WP-037B	Benzo(a)anthracene	J
	Indeno(1,2,3-cd)pyrene	J
	Benzo(b)fluoranthene	J
	Benzo(a)pyrene	J
	Dibenzofuran	J
	4-Methylphenol	J
	Naphthalene	J
S-060602-WP-039B	Benzo(a)anthracene	J
	Indeno(1,2,3-cd)pyrene	J
S-060602-WP-040A	Benzo(a)anthracene	J
	Indeno(1,2,3-cd)pyrene	J
S-061102-WP-097B	Benzo(a)anthracene	J
	Indeno(1,2,3-cd)pyrene	J
	Benzo(a)pyrene	J
	Benzo(b)fluoranthene	J
S-061102-WP-0101A	Benzo(a)anthracene	J
S-061202-WP-0117B	Dibenzofuran	J
	Benzo(a)anthracene	J
S-061202-WP-0120B	Dibenzofuran	J
S-061402-WP-0146B	Benzo(a)anthracene	J
	Benzo(b)fluoranthene	J
	Benzo(a)pyrene	J
	Dibenzofuran	J
	Indeno(1,2,3-cd)pyrene	J

¹ The sample results should be qualified as:

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

TABLE 4

**SUMMARY OF QUALIFIED DATA RESULTING FROM VIOLATION OF
MS/MSD PERCENT RECOVERY ACCEPTANCE CRITERIA
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Analyte</i>	<i>Sample ID</i>	<i>Qualifier</i> ¹
Total arsenic	S-061302-WP-0122A	J
	S-061302-WP-0122B	J
	S-061302-WP-0123A	J
	S-061302-WP-0124A	J
	S-061302-WP-0124B	J
	S-061302-WP-0124C	J
	S-061302-WP-0127A	J
	S-061302-WP-0127B	J
	S-061302-WP-0127C	J
	S-061302-WP-0128A	J
	S-061302-WP-0128B	J
	S-061302-WP-0128C	J
	S-061302-WP-0129A	J
	S-061302-WP-0129B	J
	S-061302-WP-0129C	J
	S-061302-WP-0130A	J
	S-061302-WP-0130B	J
	S-061302-WP-0130C	J
	S-061302-WP-0131A	J
	S-061302-WP-0131B	J
	S-061302-WP-0132A	J
	S-061302-WP-0132B	J
	S-061302-WP-0132C	J
	S-061302-WP-0136B	J
	S-061302-WP-0137A	J
	S-061302-WP-0137B	J
	S-061302-WP-0138A	J
	S-061302-WP-0142A	J
	S-061302-WP-0142B	J
	S-061302-WP-0142C	J

¹ The sample results should be qualified as:

J - The associated value is an estimated quantity.

TABLE 5

**SUMMARY OF DETECTED ANALYTES FROM FIELD DUPLICATE SAMPLE SETS
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Analyte</i>	<i>Investigative Sample S-060302-WP-006B (µg/Kg)</i>	<i>Duplicate Sample S-060302-WP-007 (µg/Kg)</i>	<i>RPD¹</i>
Naphthalene	150,000	670,000	127
<i>Analyte</i>	<i>Investigative Sample S-060502-WP-017C (µg/Kg)</i>	<i>Duplicate Sample S-060502-WP-018 (µg/Kg)</i>	<i>RPD</i>
Benzo(a)anthracene	1,600	1,700	6.1
Benzo(b)fluoranthene	2,100	2,400	13
Benzo(a)pyrene	1,100	1,300	17
Indeno(1,2,3-cd)pyrene	560	600	6.9
Naphthalene	1,700	1,300	27
<i>Analyte</i>	<i>Investigative Sample S-060602-WP-040A (µg/Kg)</i>	<i>Duplicate Sample S-060602-WP-041 (µg/Kg)</i>	<i>RPD</i>
Benzo(a)anthracene	12,000	4,200	96
Benzo(b)fluoranthene	13,000	5,100	87
Benzo(a)pyrene	7,700	2,700	96
Indeno(1,2,3-cd)pyrene	2,400	1,000	82
<i>Analyte</i>	<i>Investigative Sample S-060602-WP-050A (µg/Kg)</i>	<i>Duplicate Sample S-060602-WP-051 (µg/Kg)</i>	<i>RPD</i>
Benzo(a)anthracene	3,700	1,200	102
Benzo(b)fluoranthene	4,400	1,500	98
Benzo(a)pyrene	2,500	850	99
Dibenzo(a,h)anthracene	770	ND(380) ²	NC ³
Indeno(1,2,3-cd)pyrene	1,400	560	86
Naphthalene	2,100	490	124
<i>Analyte</i>	<i>Investigative Sample S-060702-WP-064A (µg/Kg)</i>	<i>Duplicate Sample S-060702-WP-065 (µg/Kg)</i>	<i>RPD</i>
Naphthalene	1,100,000	560,000	65

TABLE 5

**SUMMARY OF DETECTED ANALYTES FROM FIELD DUPLICATE SAMPLE SETS
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Analyte</i>	<i>Investigative Sample S-061002-WP-075A (µg/Kg)</i>	<i>Duplicate Sample S-061002-WP-077 (µg/Kg)</i>	<i>RPD</i>
Benzo(a)anthracene	17,000	5,800	98
Benzo(b)fluoranthene	24,000	7,400	106
Benzo(a)pyrene	20,000	5,800	110
Indeno(1,2,3-cd)pyrene	9,600	2,800	110
Naphthalene	ND(4400)	1,800	NC

<i>Analyte</i>	<i>Investigative Sample S-061102-WP-090B (µg/Kg)</i>	<i>Duplicate Sample S-061102-WP-091B (µg/Kg)</i>	<i>RPD</i>
Benzo(a)anthracene	46,000	46,000	0
Benzo(b)fluoranthene	44,000	32,000	32
Benzo(a)pyrene	31,000	28,000	10
Dibenzofuran	37,000	31,000	18
Indeno(1,2,3-cd)pyrene	12,000	11,000	8.7
Naphthalene	46,000	30,000	42

<i>Analyte</i>	<i>Investigative Sample S-061102-WP-102A</i>	<i>Duplicate Sample S-061102-WP-103A</i>	<i>RPD</i>
Benzo(a)anthracene	2,200 µg/Kg	3,400 µg/Kg	43
Benzo(b)fluoranthene	3,100 µg/Kg	4,400 µg/Kg	35
Benzo(a)pyrene	1,700 µg/Kg	2,400 µg/Kg	34
Dibenzo(a,h)anthracene	520 µg/Kg	ND(750) µg/Kg	NC
Dibenzofuran	400 µg/Kg	ND(750) µg/Kg	NC
Indeno(1,2,3-cd)pyrene	890 µg/Kg	1,300 µg/Kg	37
Naphthalene	1,700 µg/Kg	1,200 µg/Kg	35
Total Arsenic	64.2 mg/Kg	35.8 mg/Kg	57

<i>Analyte</i>	<i>Investigative Sample S-061202-WP-106A (µg/Kg)</i>	<i>Duplicate Sample S-061202-WP-107A (µg/Kg)</i>	<i>RPD</i>
Benzo(a)anthracene	ND(4000)	26,000	NC
Benzo(b)fluoranthene	ND(4000)	32,000	NC
Benzo(a)pyrene	ND(4000)	21,000	NC

TABLE 5

**SUMMARY OF DETECTED ANALYTES FROM FIELD DUPLICATE SAMPLE SETS
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Analyte</i>	<i>Investigative Sample S-061302-WP-122A</i>	<i>Duplicate Sample S-061302-WP-123A</i>	<i>RPD</i>
Benzo(a)anthracene	5,700 µg/Kg	11,000 µg/Kg	64
Benzo(b)fluoranthene	12,000 µg/Kg	17,000 µg/Kg	35
Benzo(a)pyrene	7,100 µg/Kg	12,000 µg/Kg	51
Dibenzofuran	3,800 µg/Kg	3,600 µg/Kg	5.4
Indeno(1,2,3-cd)pyrene	5,900 µg/Kg	8,600 µg/Kg	37
Naphthalene	18,000 µg/Kg	16,000 µg/Kg	12
Total Arsenic	1,290 mg/Kg	1,850 mg/Kg	36

<i>Analyte</i>	<i>Investigative Sample S-061302-WP-0137A</i>	<i>Duplicate Sample S-061302-WP-0138A</i>	<i>RPD</i>
Benzo(a)anthracene	1,700 µg/Kg	1,800 µg/Kg	5.7
Benzo(b)fluoranthene	2,500 µg/Kg	4,000 µg/Kg	46
Benzo(a)pyrene	1,700 µg/Kg	1,800 µg/Kg	5.7
Dibenzo(a,h)anthracene	520 µg/Kg	690 µg/Kg	28
Dibenzofuran	620 µg/Kg	680 µg/Kg	9.2
Indeno(1,2,3-cd)pyrene	1,100 µg/Kg	1,500 µg/Kg	31
Naphthalene	3,900 µg/Kg	4,900 µg/Kg	23
Total Arsenic	82.6 mg/Kg	91.2 mg/Kg	9.9

<i>Analyte</i>	<i>Investigative Sample S-061402-WP-0146A (mg/Kg)</i>	<i>Duplicate Sample S-061402-WP-0147A (mg/Kg)</i>	<i>RPD</i>
Total Arsenic	838	771	8.3

<i>Analyte</i>	<i>Investigative Sample S-061102-WP-206 (mg/Kg)</i>	<i>Duplicate Sample S-061102-WP-207 (mg/Kg)</i>	<i>RPD</i>
Total Arsenic	8.1	6.7	19

<i>Analyte</i>	<i>Investigative Sample S-061202-WP-227 (µg/Kg)</i>	<i>Duplicate Sample S-061202-WP-228 (µg/Kg)</i>	<i>RPD</i>
Benzo(a)anthracene	12,000	26,000	74
Benzo(b)fluoranthene	11,000	25,000	78
Benzo(a)pyrene	7,800	18,000	79
Dibenzofuran	5,700	12,000	71
Naphthalene	41,000	77,000	61

TABLE 5

SUMMARY OF DETECTED ANALYTES FROM FIELD DUPLICATE SAMPLE SETS
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Analyte</i>	<i>Investigative Sample</i> <i>S-061202-WP-0243</i> <i>(µg/Kg)</i>	<i>Duplicate Sample</i> <i>S-061202-WP-0244</i> <i>(µg/Kg)</i>	<i>RPD</i>
Benzo(b)fluoranthene	ND(380)	730	NC

¹ RPD - Relative Percent Difference

² ND () - Not detected above the level of the associated value.

³ NC - Not Calculable

TABLE 6

**SUMMARY OF QUALIFIED DATA RESULTING FROM
EXCESSIVE FIELD DUPLICATE SAMPLE VARIABILITY
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Sample ID</i>	<i>Analyte</i>	<i>Qualifier</i> ¹
S-060302-WP-006B	Naphthalene	J
S-060302-WP-007	Naphthalene	J
S-060602-WP-040A	Benzo(b)fluoranthene	J
S-060602-WP-041	Benzo(a)anthracene	J
	Benzo(b)fluoranthene	J
S-060702-WP-064A	Naphthalene	J
S-060702-WP-065	Naphthalene	J
S-061002-WP-075A	Benzo(b)fluoranthene	J
S-061002-WP-077	Benzo(b)fluoranthene	J
S-061102-WP-102A	Total Arsenic	J
S-061102-WP-103A	Total Arsenic	J
S-061202-WP-0227	Naphthalene	J
S-061202-WP-0228	Naphthalene	J

¹ The sample results should be qualified as:

Organic

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Inorganic

J - The associated value is an estimated quantity.

APPENDIX C

OFF-SITE IMPORT MATERIAL LABORATORY ANALYSIS REPORTS



**CONESTOGA-ROVERS
& ASSOCIATES**

180 Seahorse Avenue
Waukegan, Illinois 60085
Telephone: (847) 336-6552 Fax: (847) 336-9056
www.CRAworld.com

CAL STONE

TRANSMITTAL

DATE: March 23, 2005 REFERENCE NO.: 019023-84
PROJECT NAME: Waukegan Coke Site
TO: Randy Campbell
Sevenson Environmental Services

Please find enclosed: ☐ Draft ☐ Final
☐ Originals ☐ Other _____
☒ Prints
Sent via: ☐ Mail ☐ Same Day Courier
☐ Overnight Courier ☒ Other _____

QUANTITY	DESCRIPTION
1	Granular Subbase Submittal

☒ As Requested ☐ For Review and Comment
☒ For Your Use ☐ _____
☐ _____

COMMENTS:

The submitted materials may be imported for use as Granular Subbase materials.

Copy to: _____
Completed by: Tim Leo Signed: _____
[Please Print]

Filing: **Correspondence File**



**Sevenson
Environmental
Services, Inc.**

LETTER OF TRANSMITTAL

8270 Whitcomb Street
Merrillville, IN 46410
(219) 756-4686

Rec'd CKA
MAR 21 200

TO: Conestoga-Rover & Associates	DATE: 3/21/05
ADDRESS: 8615 West Bryn Mawr Ave.	JOB NO.: E 855
CITY: Chicago, IL 60631-3501	RE: Granular Subbase Section 02300- 2.1 E1 & E2
ATTENTION: Mr. Tim Leo	

PLEASE BE ADVISED:

WE ARE SENDING YOU:

☐ PRINTS

☐ PLANTS

☐ ARTWORK

☐ PROOFS

☐

X Attached

☐ SHOP DRAWINGS

☐ PHOTOGRAPHS

☐ Under Separate Cover Via The Following:

☐ SAMPLES

☐ SPECIFICATIONS

☐ COPY OF LETTER(s)

☐ CHANGE ORDER

	No. of Copies	Drawing No.	Date	Description
1	1		3/21/05	Analytical for Ca-6 Limestone
2	1		3/21/05	Gradation Summary Report for Ca-6 Limestone
3	1		3/21/05	Proctor Report for Ca-6 Limestone
4				
5				

THESE ARE BEING TRANSMITTED AS INDICATED BELOW:

☐ AS REQUESTED

☐ APPROVED AS IS

☐ SUBMIT COPIES FOR DISTRIBUTION

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☐ APPROVED WITH CORRECTIONS

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☐

COMMENTS:

Tim,

I have also included Vulcan's certification letter regarding the Ca-6 Limestone as per Section 02300-2.1 E1 & E2.

Curtis

COPIES TO:	SEVENSON ENVIRONMENTAL SERVICES, INC.
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Signed C. Taylor



March 18, 2003

Sevenson Environmental

Attn: Curtis Taylor

Re: Job Waukegan MGP Coke Site
180 Seahorse Drive
Waukegan, IL

Dear Curtis:

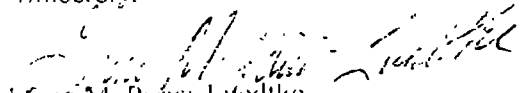
This is to certify that the CA-6 Limestone produced at our Racine Quarry 1501 Three Mile Road Racine, WI (IL Source # 52002-1) and railed to our Lake Bluff Distribution Yard 841 Skokie Hwy Lake Bluff, IL (IL Source # 2048-92) are produced under the Illinois Department of Transportation (IDOT) specifications, and meet IDOT's gradation requirements. Contaminant free as referred to in Art. 1004.01 of the Illinois Department of Transportation Standard Specification for Road and Bridge Construction book. All shipments are made from State approved stockpiles.

Typical average gradation is as follows:

1/2"(37.5)	100.0
1"(25)	93.3
3/4"(19)	83.3
1/2"(12.5)	70.0
3/8"(9.5)	63.4
3/16"(4.75)	49.4
1/16"(2)	32.6
1/32"(1.18)	25.9
1/64"(0.425)	18.3
#200(0.075)	11.26
P4N(0)	0.00

If you have any further questions and/or require additional information, please call me at 262-206-8347

Sincerely,


Anna M. Parisi-Luedtke
Quality Control Supervisor

WASTE STREAM TECHNOLOGY, INC.


302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date: 12/16/04
Work Order Number: 4L09003

Prepared For
Chris Rice
Sevenson Environmental Services
8270 Whitcomb
Merrillville, IN 46410
Fax: (716) 285-4201
Site: Waukegan E855

Enclosed are the results of analyses for samples received by the laboratory on 12/09/04. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian S. Schepart, Ph D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757



Waste Stream Technology Inc



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

CHAIN OF CUSTODY

REPORT TO:

CONTACT

PH 811

FAX # ()

[illegible]

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100

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SAMPLE 10.

REMARKS

RELINQUISHED BY:

RELINQUISHED BY

DATE _____ TIME _____

TIME

RECEIVED BY

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DATE:

DATE:

TIME

TIME

The logo for WasteStream Technology features the company name in a bold, sans-serif font. "WASTE" and "STREAM" are stacked vertically, with "TECHNOLOGY" positioned to the right of "STREAM". A stylized, dark, textured graphic resembling a splash or a stream of water is located behind the word "TECHNOLOGY".

Waste Stream Technology Inc.
302 Grote Street, Buffalo, NY 14207
(716) 876-5290 • FAX (716) 876-2412

OFFICE USE ONLY

GROUP #

DUE DATE

TURN AROUND TIME:

QUOTATION NUMBER:

ARE SPECIAL DETECTION LIMITS
REQUIRED.

Is a QC Package required?
YES NO
If yes please attach requirements

ANALYSES TO BE PERFORMED

52

ING

DATE SAMPLED

TYPE OF CONTAINERS	COMMENTS
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OFFICE USE
ONLY

Dep. Sec. of War

Sevenson Environmental Services
8270 Whitcomb
Merrillville IN, 46410

Project Waukegan E855
Project Number: ES55
Project Manager: Chris Rice

Reported:
12/16/04 16.43

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
UNC Uncertainty

Sevenson Environmental Services
5270 Whitcomb
Millsville IN. 46410

Project: Waukegan E855
Project Number: E855
Project Manager: Chris Rice

Reported:
12/16/04 16:43

**Radiochemical Analysis by EPA Methods
Waste Stream Technology Inc.**

Analyte	Result	UNC	MDA	Units	Batch	Prepared	Analyzed	Method	Notes
112404B (4K29004-01) Soil Sampled: 11/24/04 00:00 Received: 11/26/04 10:10									
Potassium 40	2.18E-3	2.17E-4	2.83E-5	nCi/kg	AL41008	12/10/04	12/13/04	EPA 901.1	
Thallium 208	3.71E-5	8.18E-6	2.45E-6	"	"	"	"	"	
Lead 212	1.20E-4	1.76E-5	5.07E-6	"	"	"	"	"	
Bismuth 214	1.23E-4	1.87E-5	4.48E-6	"	"	"	"	"	
Lead 214	1.40E-4	2.16E-5	5.45E-6	"	"	"	"	"	
Actinium 228	1.39E-4	2.45E-5	8.01E-6	"	"	"	"	"	

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services
8270 Whitcomb
Merrillville IN. 46410

Project: Waukegan E855
Project Number: E855
Project Manager: Chris Rice

Reported:
12/16/04 16:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
112404B	4K29004-01	Soil	11/24/04 00:00	11/26/04 10:10

Gamma Spec Analysis Notes

Bismuth 212 and Uranium 235 were not reported for the Gamma Spec analysis for sample 4K29004-01 due to an associated error greater than 30%

WASTE STREAM TECHNOLOGY, INC.

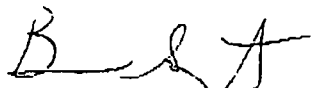
302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date: 12/16/04
Work Order Number: 4K29004

Prepared For
Chris Rice
Sevenson Environmental Services
8270 Whitcomb
Merrillville, IN 46410
Fax: (716) 285-4201
Site: Waukegan E855

Enclosed are the results of analyses for samples received by the laboratory on 11/26/04. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian S. Schepard, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757



Waste Stream Technology Inc



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

CHAIN OF CUSTODY

REPORT TO:

12/14/04
12/14/04
12/14/04

CONTACT

PH # ()

FAX # ()

BILL TO

PO#

PROJECT DESCRIPTION

SAMPLER SIGNATURE

SAMPLE ID

WASTE STREAM

TECHNOLOGY

Waste Stream Technology Inc.
 302 Grole Street, Buffalo, NY 14207
 (716) 876-5290 • FAX (716) 876-2412

OFFICE USE ONLY

GROUP #

DUE DATE

TURN AROUND TIME:

QUOTATION NUMBER:

PAGE 1 OF 1

ARE SPECIAL DETECTION LIMITS
 REQUIRED
 YES NO
 If yes please attach requirements

Is a QC Package required
 YES NO
 If yes please attach requirements

DW DRINKING WATER
 GW GROUND WATER
 SW SURFACE WATER
 WW WASTE WATER
 O OIL

SL SLUDGE
 SO SOIL
 S SOLID
 W WIPE
 OTHER

ANALYSES TO BE PERFORMED

SAMPLE ID	DATE SAMPLED	TIME OF SAMPLING	SAMPLE TYPE	TOTAL NO. OF CONTAINERS	ANALYSES TO BE PERFORMED										TYPE OF CONTAINER/ COMMENTS	OFFICE USE ONLY WST. ID.
					1	2	3	4	5	6	7	8	9	10		
1	12/14/04	12:00	SW	1											Sample 1	
2																
3																
4																
5																
6																
7																
8																
9																
10																

REMARKS

RELINQUISHED BY:

RELINQUISHED BY:

DATE

DATE

TIME

TIME

RECEIVED BY:

RECEIVED BY:

DATE

DATE

TIME

TIME

Waste Stream Technology Inc.

4K29004

NY 4/20/3

SENDING LABORATORY:

Stream Technology Inc
 302 Grote Street
 Buffalo, NY 14207
 Phone: (716) 876-5290
 Fax: (716) 876-2412
 Project Manager: Dan Vollmer

RECEIVING LABORATORY:

Chopra Lee
 1815 Love Road
 Grand Island, NY 14072
 Phone: 773-7625
 Fax: (716) 773-7624

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 4K29004-01	Soil	Sampled: 11/24/04 00:00	46806	
Alcohol sub	12/03/04 15:00	12/08/04 00:00		Analyze for Butanol
Containers Supplied:				
2 oz jar (F)				

P.O. # 20925

B.B.D. TAT

Due 12/8/04

Released By

Date

Received By

Date

Released By

Date

Received By

Date

Laboratory Analysis Result Table

Client: Dan Vollmer
Waste Stream Technology

Project: Soil Sample Analysis for n-butanol

302 Grote Street
Buffalo, NY 14207

Report Date: Tuesday, December 07, 2004

Phase:

Report ID: NY412013.0.10444

Sample Date: Wednesday, November 24, 2004

PO# / Release# /

Authorized Signature.

Reference #:

Report Status: Final

☒ Richard V. Finn, Laboratory Manager

☐ Paul S. Chopra, Laboratory Director

Sample ID	Lab Sample #	Location / Description	Detection Limit (DL)	Quantitation Limit (QL)	Results	Units	Analyst	Date
Analyte Group / Method		Analyte						
The following result table is for 1 samples received by Chopra-Lee, Inc. on 12/3/04 submitted by Waste Stream Technology								
1	39196	4K29004-01 11/24/04 00:00 / Field Grab - Soil						
n-butanol								
EPA 8015B		n-butanol	2.0	2.0	ND	mg/kg	FB	12/1/04
end of sample 39196								

The results enclosed are submitted pursuant to Chopra-Lee, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. These results pertain only to the items tested. Unless notified in writing to return the samples covered by this report Chopra-Lee, Inc. will store what remains of the samples for a period of 15 days before discarding, unless otherwise required by law.



1815 Love Road
Grand Island
New York 14072
Tel: (716) 773-7625
Fax: (716) 773-7624

ND = Not Detected in Sample, less than Detection Limit (DL)
- X XX = Less than the quantitation limit (estimated value)
b = compound detected in blank
NYS DOH ELAP ID# 10954

Client: Waste Stream Technology
Project: NY412013.0.10444
Report Status: Final
Page: 1 of 1

Sevenson Environmental Services
8270 Whitcomb
Merrillville IN, 46410

Project Waukegan E855
Project Number E855
Project Manager: Chris Rice

Reported:
12/10/04 10:51

Notes and Definitions

U Analyte included in the analysis, but not detected
MSA This result was determined by method of standard addition.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services
8270 Whitcomb
Merrillville IN, 46410

Project: Waukegan E855
Project Number: E855
Project Manager: Chris Rice

Reported:
12/10/04 10:31

Conventional Chemistry Parameters by EPA Methods
Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
112404B (4K29004-01) Soil Sampled: 11/24/04 00:00 Received: 11/26/04 10:10									
Cyanide (total)	ND	0.50	mg/kg dry	1	AL40227	12/02/04	12/02/04	EPA 9014	
% Solids	95.4	0.1	%	"	AK43002	11/29/04	11/30/04	% calculation	

Waste Stream Technology Inc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services
8270 Whitcomb
Terrillville IN, 46410

Project: Waukegan E855
Project Number: E855
Project Manager: Chris Rice

Reported:
12/10/04 10:31

Semivolatile Organic Compounds by EPA Method 8270C
Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
112404B (4K29004-01) Soil Sampled: 11/24/04 00:00 Received: 11/26/04 10:10									
Dichyl phthalate	ND	67	ug/kg dry	1	AL40128	12/01/04	12/01/04	8270	U
4-nitroaniline	ND	67	"	"	"	"	"	"	U
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"	"	"	U
n-nitrosodiphenylamine	ND	67	"	"	"	"	"	"	U
4-bromophenylphenylether	ND	67	"	"	"	"	"	"	U
hexachlorobenzene	ND	67	"	"	"	"	"	"	U
pentachlorophenol	ND	130	"	"	"	"	"	"	U
phenanthrene	ND	67	"	"	"	"	"	"	U
anthracene	ND	67	"	"	"	"	"	"	U
carbazole	ND	67	"	"	"	"	"	"	U
Di-n-butyl phthalate	ND	67	"	"	"	"	"	"	U
benzidine	ND	330	"	"	"	"	"	"	U
fluoranthene	ND	67	"	"	"	"	"	"	U
3,3'-Dichlorobenzidine	ND	67	"	"	"	"	"	"	U
pyrene	ND	67	"	"	"	"	"	"	U
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	67	"	"	"	"	"	"	U
chrysene	ND	67	"	"	"	"	"	"	U
bis(2-ethylhexyl)phthalate	ND	67	"	"	"	"	"	"	U
Di-n-octyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	67	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	67	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	67	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	ND	67	"	"	"	"	"	"	U
Pyridine	ND	67	"	"	"	"	"	"	U
Surrogate: 2-Fluorophenol	66.6 %		50-112		"	"	"	"	
Surrogate: Phenol-d6	66.3 %		52-117		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.1 %		48-122		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.0 %		50-121		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.7 %		50-132		"	"	"	"	
Surrogate: Terphenyl-d14	74.7 %		36-134		"	"	"	"	

Waste Stream Technology Inc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services
8270 Whitcomb
Merrillville IN. 46410

Project Waukegan E855
Project Number: 1855
Project Manager: Chris Rice

Reported:
12/10/04 10:31

Semivolatile Organic Compounds by EPA Method 8270C
Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
112404B (4K29004-01) Soil Sampled: 11/24/04 00:00 Received: 11/26/04 10:10									
N-Nitrosodimethylamine	ND	67	ug/kg Dry	1	AL40128	12/01/04	12/01/04	8270	U
bis(2-chloroethyl)ether	ND	67	"	"	"	"	"	"	U
phenol	ND	130	"	"	"	"	"	"	U
2-chlorophenol	ND	130	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	U
benzyl alcohol	ND	67	"	"	"	"	"	"	U
bis(2-chloroisopropyl)ether	ND	67	"	"	"	"	"	"	U
2-methylphenol	ND	67	"	"	"	"	"	"	U
hexachloroethane	ND	67	"	"	"	"	"	"	U
N-Nitrosodi-n-propylamine	ND	67	"	"	"	"	"	"	U
3 & 4-methylphenol	ND	130	"	"	"	"	"	"	U
nitrobenzene	ND	67	"	"	"	"	"	"	U
isophorene	ND	67	"	"	"	"	"	"	U
2-nitrophenol	ND	130	"	"	"	"	"	"	U
2,4-dimethylphenol	ND	130	"	"	"	"	"	"	U
Bis(2-chloroethoxy)methane	ND	67	"	"	"	"	"	"	U
benzoic acid	ND	330	"	"	"	"	"	"	U
2,4-dichlorophenol	ND	130	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	67	"	"	"	"	"	"	U
naphthalene	ND	67	"	"	"	"	"	"	U
4-chloroaniline	ND	67	"	"	"	"	"	"	U
hexachlorobutadiene	ND	67	"	"	"	"	"	"	U
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	"	U
2-methylnaphthalene	ND	67	"	"	"	"	"	"	U
hexachlorocyclopentadiene	ND	130	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	130	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	67	"	"	"	"	"	"	U
2-chloronaphthalene	ND	67	"	"	"	"	"	"	U
2-nitroaniline	ND	67	"	"	"	"	"	"	U
acenaphthylene	ND	67	"	"	"	"	"	"	U
Dimethyl phthalate	ND	67	"	"	"	"	"	"	U
2,6-dinitrotoluene	ND	67	"	"	"	"	"	"	U
acenaphthene	ND	67	"	"	"	"	"	"	U
3-nitroaniline	ND	67	"	"	"	"	"	"	U
2,4-dinitrophenol	ND	130	"	"	"	"	"	"	U
dibenzofuran	ND	67	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	67	"	"	"	"	"	"	U
4-nitrophenol	ND	130	"	"	"	"	"	"	U
fluorene	ND	67	"	"	"	"	"	"	U
4-Chlorophenyl phenyl ether	ND	67	"	"	"	"	"	"	U

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services
8270 Whitecomb
Terrillville IN 46410

Project Waukegan F855
Project Number F855
Project Manager Chris Rice

Reported:
12/10/04 10:31

Volatile Organic Compounds by EPA Method 8260B
Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
11240-1B (4K29004-01) Soil Sampled: 11/24/04 00:00 Received: 11/26/04 10:10									
vinyl chloride	ND	10	ug/kg dry	1	AL40204	12/02/04	12/02/04	8260	
bromomethane	ND	10	"	"	"	"	"	"	
1,1-dichloroethene	ND	2	"	"	"	"	"	"	
acetone	ND	10	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	
methylene chloride	47	2	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2	"	"	"	"	"	"	
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	
1,1-dichloroethane	ND	2	"	"	"	"	"	"	
vinyl acetate	ND	10	"	"	"	"	"	"	
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	
chloroform	ND	2	"	"	"	"	"	"	
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	
carbon tetrachloride	ND	2	"	"	"	"	"	"	
benzene	ND	2	"	"	"	"	"	"	
1,2-dichloroethane	ND	2	"	"	"	"	"	"	
trichloroethene	ND	2	"	"	"	"	"	"	
1,2-dichloropropane	ND	2	"	"	"	"	"	"	
bromodichloromethane	ND	2	"	"	"	"	"	"	
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	
toluene	ND	2	"	"	"	"	"	"	
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	
tetrachloroethene	ND	2	"	"	"	"	"	"	
1,1-dibromochloroethane	ND	2	"	"	"	"	"	"	
1,2-dibromoethane	ND	2	"	"	"	"	"	"	
chlorobenzene	ND	2	"	"	"	"	"	"	
ethylbenzene	ND	2	"	"	"	"	"	"	
m,p-xylene	ND	4	"	"	"	"	"	"	
o-xylene	ND	2	"	"	"	"	"	"	
styrene	ND	2	"	"	"	"	"	"	
bromotorm	ND	2	"	"	"	"	"	"	
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
Surrogate 1,2-Dichloroethane-d4		111 %	69-132	"	"	"	"	"	
Surrogate Toluene-d8		103 %	81-121	"	"	"	"	"	
Surrogate Bromofluorobenzene		106 %	83-121	"	"	"	"	"	

Waste Stream Technology Inc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services
8270 Whitcomb
Merrillville IN, 46410

Project Waukegan E855
Project Number: E855
Project Manager: Chris Rice

Reported:
12/10/04 10:31

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082
Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
112404B (4K29004-01) Soil Sampled: 11/24/04 00:00 Received: 11/26/04 10:10									
Alpha-BHC	ND	0.400	ug/kg dry	1	AL40130	12/01/04	12/02/04	8081A/8082	U
Beta-BHC	ND	0.400	"	"	"	"	"	"	U
Gamma-BHC (Lindane)	ND	0.400	"	"	"	"	"	"	U
Delta-BHC	ND	0.400	"	"	"	"	"	"	U
Heptachlor	ND	0.400	"	"	"	"	"	"	U
Aldrin	ND	0.400	"	"	"	"	"	"	U
Heptachlor Epoxide	ND	0.400	"	"	"	"	"	"	U
Endosulfan I	ND	0.400	"	"	"	"	"	"	U
Dieldrin	ND	0.400	"	"	"	"	"	"	U
4,4'-DDE	ND	0.400	"	"	"	"	"	"	U
Endrin	ND	0.400	"	"	"	"	"	"	U
Endosulfan II	ND	0.400	"	"	"	"	"	"	U
4,4'-DDD	ND	0.400	"	"	"	"	"	"	U
Endrin Aldehyde	ND	0.400	"	"	"	"	"	"	U
Endosulfan Sulfate	ND	0.400	"	"	"	"	"	"	U
4,4'-DDT	ND	0.400	"	"	"	"	"	"	U
Endrin Ketone	ND	0.400	"	"	"	"	"	"	U
Methoxychlor	ND	0.400	"	"	"	"	"	"	U
Chlordane	ND	6.70	"	"	"	"	"	"	U
Toxaphene	ND	8.30	"	"	"	"	"	"	U
Aroclor 1016	ND	3.30	"	"	"	"	"	"	U
Aroclor 1221	ND	3.30	"	"	"	"	"	"	U
Aroclor 1232	ND	3.30	"	"	"	"	"	"	U
Aroclor 1242	ND	3.30	"	"	"	"	"	"	U
Aroclor 1248	ND	3.30	"	"	"	"	"	"	U
Aroclor 1254	ND	3.30	"	"	"	"	"	"	U
Aroclor 1260	ND	3.30	"	"	"	"	"	"	U
Surrogate: Tetrachloro-meta-xylene		102 %	74-122	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		96.0 %	64-127	"	"	"	"	"	

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services	Project Waukegan E855	
8270 Whitcomb	Project Number E855	Reported:
Warrillville IN. 46410	Project Manager Chris Rice	12/10/04 10:31

Metals by EPA 7000 Series Methods
Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
112404B (4K29004-01) Soil Sampled: 11/24/04 00:00 Received: 11/26/04 10:10									
Selenium	ND	0.50	mg/kg dry	1	AK42903	11/29/04	12/07/04	EPA 7740	MSA
Thallium	ND	0.50	"	"	"	"	12/07/04	EPA 7341	MSA

Waste Stream Technology Inc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services
8270 Whitcomb
Merrillville IN, 46410

Project: Waukegan E855
Project Number: E855
Project Manager: Chris Rice

Reported:
12/10/04 10:31

Metals by EPA 6000/7000 Series Methods
Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
112404B (4K29004-01) Soil Sampled: 11/24/04 00:00 Received: 11/26/04 10:10									
Mercury	ND	0.014	mg/kg dry	1	AL40208	12/02/04	12/02/04	EPA 7471A	
Silver	ND	0.500	"	"	AK42903	11/29/04	11/29/04	6010B	
Aluminum	498	12.5	"	5	"	"	11/29/04	"	
Arsenic	ND	8.50	"	"	"	"	"	"	
Barium	ND	5.00	"	"	"	"	"	"	
Beryllium	ND	0.500	"	1	"	"	11/29/04	"	
Calcium	246000	12.5	"	5	"	"	11/29/04	"	
Cadmium	ND	0.500	"	1	"	"	11/29/04	"	
Cobalt	ND	5.00	"	5	"	"	11/29/04	"	
Chromium	ND	5.00	"	"	"	"	"	"	
Copper	ND	5.00	"	"	"	"	"	"	
Iron	2790	41.5	"	"	"	"	"	"	
Magnesium	121000	60.0	"	"	"	"	"	"	
Manganese	255	5.00	"	"	"	"	"	"	
Nickel	ND	5.00	"	"	"	"	"	"	
Lead	ND	20.5	"	"	"	"	"	"	
Antimony	ND	1.40	"	1	"	"	11/29/04	"	
Vanadium	ND	5.00	"	5	"	"	11/29/04	"	
Zinc	ND	20.0	"	"	"	"	"	"	
Potassium	506	14.0	"	1	AK42913	11/29/04	11/30/04	"	
Sodium	256	45.0	"	"	"	"	"	"	

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be produced in its entirety.

Sevenson Environmental Services
8270 Whitcomb
Merrillville IN 46410

Project: Waukegan E855
Project Number: E855
Project Manager: Chris Rice

Reported:
12/10/04 10:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
112404B	4K29004-01	Soil	11/24/04 00:00	11/26/04 10:10

Total Metals Analysis Notes

1. The results for cadmium, beryllium silver and antimony were reported from the undiluted analysis of the digestate for sample number 4K29004-01. However, the difference between the undiluted analysis results and the 5-fold dilution analysis results did not meet the method criteria. This indicates that interference from the high levels of calcium and magnesium is present. The data reported for these metals should be considered estimated. However, these metals were not detected in the undiluted analysis.

2. The digestate of sample number 4K29004-01 was analyzed for selenium and thallium using the graphite furnace atomic absorption methods. The recoveries of the post-digestion spike (PDS) analyses for both metals were less than the lower method-specified limit of 85 %. Subsequently, the digestate had to be analyzed using the method of standard additions. It is suspected that the high levels of calcium and magnesium in the sample caused the low PDS recoveries. Additionally, due to the interference created by the calcium and magnesium levels in the sample, the best reporting level achievable for thallium was 0.5 mg/kg.

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date: 12/10/04
Work Order Number: 4K29004

Prepared For
Chris Rice
Sevenson Environmental Services
8270 Whitcomb
Merrillville, IN 46410
Fax: (716) 285-4201
Site: E855

Enclosed are the results of analyses for samples received by the laboratory on 11/26/04. If you have any questions concerning this report, please feel free to contact me.

Sincerely,


Daniel W. Vollmer, Laboratory QA/QC Officer

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757



Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Product Detail Gradation Statistical Summary Report

Plant:	546	Lake Bluff Recycle
Product:	556	CA-6(R)
Specification		CA-6(R) Specification
Sieve/Test	Mean	Specification
1 1/2" (37.5)	100.0	100 - 100
1" (25)	93.5	90 - 100
3/4" (19)	83.7	-
1/2" (12.5)	67.7	60 - 90
3/8" (9.5)	58.5	-
#4 (4.75)	41.6	30 - 56
#10 (2)	28.4	-
#16 (1.18)	22.7	10 - 40
#40 (0.425)	14.3	-
#200 (0.075)	5.08	4 - 12
PAN (0)	0.00	-

LABORATORY COMPACTION CHARACTERISTICS OF SOIL

Report Number: 59051006.0001
Service Date: March 7, 2005

Terracon

9016 58th Place, Suite 900
Kenosha, WI 53144
(262) 656-9777

Client: Severson Environmental
Attn: Curtis Taylor
180 Sea Horse Drive
Waukegan IL 60085

Report Date: March 11, 2005
Project: Severson Engineering Laboratory Testing
180 Sea Horse Drive
Waukegan, IL

Project Number: 59051006

Material Information

Contractor: Severson Environmental
Source of Material: Vulcan
Proposed Use: Fill Material
USCS: GP

Sample Information

Sampled By: Steven P. Wlahovich
Sample Location: N/A
Sample Description: Crushed Limestone with Sand

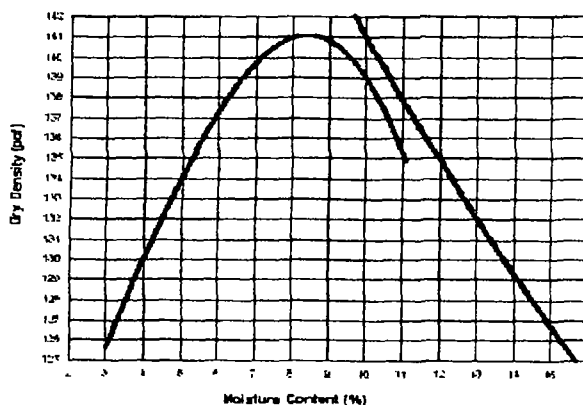
Laboratory Test Data

Test Procedure: ASTM D698-91
Test Method: Method C
Sample Preparation: Wet Preparation
Rammer Type: Manual Rammer
Maximum Dry Unit Weight, pcf: 141.1
Optimum Water Content, %: 8.4

	Result	Specifications
Liquid Limit:	NA	
Plastic Limit:	NA	
Plasticity Index:	Non-plastic	
% Passing #200:	NA	
% Passing #40:	NA	

Moisture Density Relations

Zero Air Voids Curve for assumed specific gravity 2.92



Services-Moisture-Density Relations

Report Distribution:
(1) Severson Environmental

Technician: Steven P. Wlahovich

Reviewed by:

Trevor A. Kauffeld

Trevor A. Kauffeld
Professional I (Geotechnical)

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

TERRACON CONSULTANTS INC
9016 58TH PLACE, SUITE 900
KENOSHA, WI 53144
262-656-9777 PHONE - 262-656-9780 FAX

FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
Curt Taylor	Trevor Kauffeld
COMPANY:	DATE:
	3/11/05
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER
847-336-6406	2
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
RE:	YOUR REFERENCE NUMBER:

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

Per your request, we have completed the Standard Proctor for the sample you delivered. A \$40.00 processing + administrative fee in addition to the \$145.00 test comes to a total of \$185.00. Please call w/ any questions.

- Trevor



**Sevenson
Environmental
Services, Inc.**

LETTER OF TRANSMITTAL *IMPORT TOPSOIL SOURCE 1 & 2*

8270 Whitcomb Street
Merrillville, IN 46410
(219) 756-4686

Rec'd CRA

JUN 21 2005

TO: <i>CONESTOGA ROVER + ASSOC.</i>	DATE: June 21, 2005
ADDRESS: <i>8615 WEST BRYN MAWR AVE.</i>	JOB NO.: <i>E855</i>
CITY: <i>CHICAGO, IL 60631-3501</i>	RE: <i>TOP SOIL</i>
ATTENTION: <i>MR. TIM LEO</i>	<i>SEC. 02300 2.1F</i>

PLEASE BE ADVISED:

WE ARE SENDING YOU:

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| <input type="checkbox"/> ARTWORK | <input type="checkbox"/> PROOFS | <input type="checkbox"/> SHOP DRAWINGS | <input type="checkbox"/> SAMPLES | <input type="checkbox"/> SPECIFICATIONS |
| <input checked="" type="checkbox"/> ANALYTICAL | <input type="checkbox"/> PHOTOGRAPHS | <input type="checkbox"/> COPY OF LETTER | <input type="checkbox"/> CHANGE ORDER | |

	No. of Copies	Drawing No.	Date	Description
1	1	—	6/20/05	REVISED ANALYTICAL RESULTS
2				
3				
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5				

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COMMENTS:

*REVISED REPORTING LIMITS FOR SELENIUM, SILVER AND THALLIUM
WITH CASE NARRATIVE.*

COPIES TO:	SEVENSON ENVIRONMENTAL SERVICES, IN
▪ <i>FILE</i>	
▪	
▪	
▪	
▪	
▪	

Signed *GL*

**ENVIRONMENTAL
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TECHNOLOGIES, INC.**

8100 North Austin Avenue • Morton Grove, IL 60053-3203

847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

Curtis Taylor

June 20, 2005

Sevenson Env. Services, Inc.

8270 Whitcomb Street

Merrillville, IN 46410

RE Off site fill criteria

Lab Orders:

05040742

Dear Mr. Curtis Taylor:

Enclosed are the analytical reports for the EMT Lab Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me at 847-967-6666.

Sincerely,

Eric Jensen
Project Manager

Approved by,

Mitchell Ostrowski
Laboratory Director

The Contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety.

State of Illinois Chemical Analysis in Drinking Water Accredited Lab. No. 100256

State of Wisconsin Wastewater and Hazardous Waste No. 999888890

environmental laboratory and testing services

water	soil	air	product	waste
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CLIENT: 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com
Sevenson Env. Services, Inc. Date: 20-Jun-05**Project:** Off site fill criteria**CASE NARRATIVE****Lab Order:** 05040742

Unless otherwise noted, samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

Unless otherwise noted, all method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Sample results relate only to the analytes of interest tested and to the sample received at the laboratory.

All results are reported on a wet weight basis, unless otherwise noted. Dry weight adjusted results are indicated by the notation "dry" in the Units column.

Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated. For specific information regarding EMT's scope of accreditation, please contact your EMT project manager.

The Reporting Limit listed on the Report of Laboratory Analysis is EMT's reporting limit for the analyte reported. For most test methods this reporting limit is primarily based upon the lowest point in the calibration curve.

Method References:

SW=USEPA, Test Methods for Evaluating Solid Waste, SW-846.

E=USEPA Methods for the Determination of Inorganic Substances in Environmental Samples; Methods for Chemical Analysis of Water and Wastes; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, 40 CFR Part 136, App A; methods for the Determination of Metals in Environmental Samples; Methods for the Determination of Organic Compounds in Drinking Water.

SM= APHA, Standard Methods for the Examination of Water and Wastewater.

environmental laboratory and testing services

water	soil	air	product	waste
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CLIENT: 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com
Sevenson Env. Services, Inc. Date: 20 Jun-05

Project: Off site fill criteria

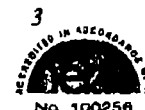
CASE NARRATIVE

Lab Order: 05040742

D=ASTM, Annual Book of Standards

environmental laboratory and testing services

water	soil	air	product	waste
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CLIENT: 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com
Sevenson Env. Services, Inc. Date: 20-Jun-05

Project: Off site fill criteria

CASE NARRATIVE

Lab Order: 05040742

Analytical Comments for METHOD 6020_S_LIST, 05040742-01A and 02A: The reporting limit of Sodium has been increased due to the blank contamination.

Analytical Comments for METHOD 6020_S_LIST, 05040742-01A and 02A : Some analytes greater than the highest point in calibration but within the Linear Dynamic Range.

Analytical Comments for METHOD PH_9045C_S, 05040742-01A: The sample was added for the analysis after holding time had expired.

Analytical Comments for METHOD PMOIST, 05040742-01A: The sample was added after the holding time has expired.

Analytical Comments for METHOD 8260_S, mb-24608: Surrogate recovery was outside of the laboratory acceptance range for 1,2-Dichloroethane-d4 and Dibromofluoromethane.

Analytical Comments for METHOD 8260_S, k125025: CCV recovery of target analytes in the standard outside of the 80-120% recovery limit are: 2-Chloroethyl-vinyl-ether, Chlorobenzene, Chloromethane, Styrene, Benzene, Ethylbenzene, Toluene, o-xylene, m,p-Xylene, and Total xylenes. LCS target compounds outside of the lab control limits are: 1,1-Dichloroethane, Methy-tert-butyl-ether, and Vinyl acetate.

Analytical Comments for METHOD 8260_s, 05040742-01 and 02: Surrogate recovery was outside of the laboratory acceptance range for 1,2-Dichloroethane-d4 and Dibromofluoromethane.

Analytical Comments for METHOD 8270_SSON, MB-24573: The recovery of 2,4-Dinitrophenol at 127.35%, 4,6-Dinitro-2-methylphenol at 123.9% and Benzo(b)fluoranthene at 120.45 % in the check standard was above 120% limit.

Analytical Comments for METHOD 8081_S, MB-24536: 2,3,4,4',5,6-Hexachlorobiphenyl surrogate recovery was slightly above the laboratory acceptance limit. The recovery of 4,4'-DDT in the last check standard was above 115% limit.

Analytical Comments for METHOD 8081_S, LCS-24536: LCS recovery for Endosulfan

environmental laboratory and testing services

water	soil	air	product	waste
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Sevenson Env. Services, Inc. **Date:** 20 Jun-05**Project:** Off site fill criteria**CASE NARRATIVE****Lab Order:** 05040742

sulfate and Endosulfan II is below the laboratory control limit. The recovery of 4,4'-DDT in the last check standard was above 115% limit.

Analytical Comments for METHOD 8081_S, 05040742-02A: The recovery of 4,4'-DDT in the last check standard was above 115% limit, however this compound was not found in the sample.


Analytical Comments for METHOD 8270_SSON, 05040742-01A: The recovery of 2,4-Dinitrophenol at 150.21 % in the check standard was above the limit, however the compound was not found in the sample. The relative area recovery for 2,4-Dinitrophenol at 205% in check standard is above 200% limit.

Analytical Comments for METHOD 8081_S, MB-24632: The recovery of some compounds in the last check standard was outside of 85-115% limit.

Analytical Comments for METHOD 8081_S, LCS-24632: The recovery of some compounds in the last check standard was outside of 85-115% limit. LCS recovery for Endosulfan sulfate is below the laboratory control limit.

Analytical Comments for METHOD 8081_S, 05040742-01A: The recovery of some compounds in the last check standard was outside of 85-115% limit.

Analytical Comments for METHOD 6020_S_LIST, 05040742-01A: The reporting limit of Sodium has been increased due to the blank contamination.

 Analytical Comments for Sample 05040742-01A: Due to matrix interferences prior to analysis, sample was diluted by a 10:1 factor which raised detection limit for Selenium to 1.61 mg/Kg and Thallium to 3.16 mg/kg.

environmental laboratory and testing services

water | soil | air | product | waste



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Report of Laboratory Analysis

CLIENT: Severson Env. Services, Inc. **Client Sample ID:** 042605-B
Lab Order: 05040742 **Report Date:** 6/20/2005
Project: Off site fill criteria **Collection Date:** 4/26/2005 1:54:00 PM
Lab ID: 05040742-01 **Matrix:** Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
Corrosivity by pH						
		Method: SW9045C				
pH	6.91		H pH Units	5/4/05 12:00	R80406	IT
Percent Moisture						
		Method: 2540G				
Percent Moisture	17.	0.1	HC % (Percent)	5/4/05	R80387	RM2
Radiation Screen						
		Method: M3 METER SCREEN				
Radiation Screen	At background		C No unit	5/4/05 05:00	R80384	VT
ICP-MS Metals, Total.						
		Method: SW6020A / SW3050B				
Aluminum	9800.	151.	mg/Kg	4/28/05	24462	AG
Antimony	< 3.47	3.47	mg/Kg	4/28/05	24462	AG
Arsenic	4.77	2.15	mg/Kg	4/28/05	24462	AG
Barium	116.	2.09	mg/Kg	4/28/05	24462	AG
Beryllium	0.481	0.193	mg/Kg	4/28/05	24462	AG
Cadmium	< 0.482	0.482	mg/Kg	4/28/05	24462	AG
Calcium	3300.	258.	C mg/Kg	4/28/05	24462	AG
Chromium	< 13.8	13.8	mg/Kg	4/28/05	24462	AG
Cobalt	8.84	0.65	mg/Kg	4/28/05	24462	AG
Copper	< 12.5	12.5	mg/Kg	4/28/05	24462	AG
Iron	14100.	495.	mg/Kg	4/28/05	24462	AG
Lead	11.1	1.35	mg/Kg	4/28/05	24462	AG
Magnesium	2490	43.1	C mg/Kg	4/28/05	24462	AG
Manganese	591.	5.67	mg/Kg	4/28/05	24462	AG
Nickel	12.1	2.59	mg/Kg	4/28/05	24462	AG
Potassium	963.	87.8	mg/Kg	4/28/05	24462	AG
Selenium	< 1.61	1.61	mg/Kg	4/28/05	24462	AG
Silver	< 0.48	0.48	mg/Kg	4/28/05	24462	AG
Sodium	< 150.	150.	C mg/Kg	4/28/05	24462	AG
Thallium	< 3.16	3.16	mg/Kg	4/28/05	24462	AG
Vanadium	20.6	1.18	mg/Kg	4/28/05	24462	AG
Zinc	42.6	8.53	mg/Kg	4/28/05	24462	AG

Mercury, Total

Method: SW7471A

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

C - Laboratory not accredited for this parameter

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services

water | soil | air | product | waste



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Report of Laboratory Analysis

CLIENT: Severson Env. Services, Inc.

Client Sample ID: 042605-B

Lab Order: 05040742

Report Date: 6/20/2005

Project: Off site fill criteria

Collection Date: 4/26/2005 1:54:00 PM

Lab ID: 05040742-01

Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
Mercury	0.0649	0.0321	mg/Kg	4/28/05	24466	IG
Organochlorine Pesticides		Method: SW8081A / SW3540C				
4,4'-DDD	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
4,4'-DDE	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
4,4'-DDT	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
Aldrin	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
alpha-BHC	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
beta-BHC	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
Chlordane	< 35.6	35.6	µg/Kg-dry	5/8/05 23:42	24632	MNN
delta-BHC	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
Dieldrin	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
Endosulfan I	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
Endosulfan II	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
Endosulfan sulfate	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
Endrin	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
Endrin aldehyde	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
gamma-BHC	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
Heptachlor	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
Heptachlor epoxide	29.7	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
Methoxychlor	< 11.9	11.9	µg/Kg-dry	5/8/05 23:42	24632	MNN
Toxaphene	< 253.	253.	µg/Kg-dry	5/8/05 23:42	24632	MNN
Polychlorinated biphenyls (PCBs)		Method: SW8082 / SW3540C				
Aroclor 1016	< 1.	1.	mg/Kg	5/8/05 17:50	24633	IP
Aroclor 1221	< 1.	1.	mg/Kg	5/8/05 17:50	24633	IP
Aroclor 1232	< 1.	1.	mg/Kg	5/8/05 17:50	24633	IP
Aroclor 1242	< 1.	1.	mg/Kg	5/8/05 17:50	24633	IP
Aroclor 1248	< 1.	1.	mg/Kg	5/8/05 17:50	24633	IP
Aroclor 1254	< 1.	1.	mg/Kg	5/8/05 17:50	24633	IP
Aroclor 1260	< 1.	1.	mg/Kg	5/8/05 17:50	24633	IP
Semivolatile Organic Compounds GC/MS		Method: SW8270C / SW3550B				
1,2,4-Trichlorobenzene	< 4.78	4.78	µg/Kg-dry	5/6/05 10:20	24573	GO
1,2-Dichlorobenzene	< 4.78	4.78	µg/Kg-dry	5/6/05 10:20	24573	GO

Qualifiers:

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

E - Estimated

*R - RPD outside accepted recovery limits

H - Holding Time Exceeded

J - Analyte detected below quantitation limits

C - Laboratory not accredited for this parameter

environmental laboratory and testing services

water | soil | air | product | waste



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Report of Laboratory Analysis

CLIENT: Severson Env. Services, Inc.
Lab Order: 05040742
Project: Off site fill criteria
Lab ID: 05040742-01

Client Sample ID: 042605-B
Report Date: 6/20/2005
Collection Date: 4/26/2005 1:54:00 PM
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
1,3-Dichlorobenzene	< 4.78	4.78	C µg/Kg-dry	5/6/05 10:20	24573	GO
1,4-Dichlorobenzene	< 12.	12.	µg/Kg-dry	5/6/05 10:20	24573	GO
2,4,6-Trichlorophenol	< 119.	119.	µg/Kg-dry	5/6/05 10:20	24573	GO
2,4-Dichlorophenol	< 47.8	47.8	µg/Kg-dry	5/6/05 10:20	24573	GO
2,4-Dimethylphenol	< 47.8	47.8	µg/Kg-dry	5/6/05 10:20	24573	GO
2,4-Dinitrophenol	< 239.	239.	µg/Kg-dry	5/6/05 10:20	24573	GO
2,4-Dinitrotoluene	< 119.	119.	µg/Kg-dry	5/6/05 10:20	24573	GO
2,6-Dinitrotoluene	< 119.	119.	µg/Kg-dry	5/6/05 10:20	24573	GO
2-Chloronaphthalene	< 4.78	4.78	µg/Kg-dry	5/6/05 10:20	24573	GO
2-Chlorophenol	< 4.78	4.78	µg/Kg-dry	5/6/05 10:20	24573	GO
2-Nitrophenol	< 119.	119.	µg/Kg-dry	5/6/05 10:20	24573	GO
3,3'-Dichlorobenzidine	< 196.	196.	µg/Kg-dry	5/6/05 10:20	24573	GO
4,6-Dinitro-2-methylphenol	< 239.	239.	µg/Kg-dry	5/6/05 10:20	24573	GO
4-Bromophenyl phenyl ether	< 9.55	9.55	µg/Kg-dry	5/6/05 10:20	24573	GO
4-Chloro-3-methylphenol	< 119.	119.	µg/Kg-dry	5/6/05 10:20	24573	GO
4-Chlorophenyl phenyl ether	< 9.55	9.55	µg/Kg-dry	5/6/05 10:20	24573	GO
4-Nitrophenol	< 47.8	47.8	µg/Kg-dry	5/6/05 10:20	24573	GO
Acenaphthene	< 4.78	4.78	µg/Kg-dry	5/6/05 10:20	24573	GO
Acenaphthylene	< 23.9	23.9	µg/Kg-dry	5/6/05 10:20	24573	GO
Anthracene	< 23.9	23.9	µg/Kg-dry	5/6/05 10:20	24573	GO
Azobenzene as 1,2-Diphenylhydrazine	< 35.6	35.6	C µg/Kg-dry	5/6/05 10:20	24573	GO
Benz(a)anthracene	< 23.9	23.9	µg/Kg-dry	5/6/05 10:20	24573	GO
Benzidine	< 239.	239.	µg/Kg-dry	5/6/05 10:20	24573	GO
Benzo(a)pyrene	< 119.	119	µg/Kg-dry	5/6/05 10:20	24573	GO
Benzo(b+k)fluoranthene	< 239.	239.	µg/Kg-dry	5/6/05 10:20	24573	GO
Benzo(g,h,i)perylene	< 47.8	47.8	µg/Kg-dry	5/6/05 10:20	24573	GO
Bis(2-chloroethoxy)methane	< 4.78	4.78	µg/Kg-dry	5/6/05 10:20	24573	GO
Bis(2-chloroethyl)ether	< 4.78	4.78	µg/Kg-dry	5/6/05 10:20	24573	GO
Bis(2-chloroisopropyl)ether	< 4.78	4.78	µg/Kg-dry	5/6/05 10:20	24573	GO
Bis(2-ethylhexyl)phthalate	< 119.	119	µg/Kg-dry	5/6/05 10:20	24573	GO
Butyl benzyl phthalate	< 119.	119.	µg/Kg-dry	5/6/05 10:20	24573	GO
Chrysene	< 9.55	9.55	µg/Kg-dry	5/6/05 10:20	24573	GO
Di-n-butyl phthalate	< 119.	119.	µg/Kg-dry	5/6/05 10:20	24573	GO

Qualifiers: B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
C - Laboratory not accredited for this parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quantitation limits

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environmental laboratory and testing services

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No. 100256

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



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Report of Laboratory Analysis

CLIENT: Severson Env. Services, Inc.
Lab Order: 05040742
Project: Off site fill criteria
Lab ID: 05040742-01

Client Sample ID: 042605-B
Report Date: 6/20/2005
Collection Date: 4/26/2005 1:54:00 PM
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
Di-n-octyl phthalate	< 239.	239	µg/Kg-dry	5/6/05 10:20	24573	GO
Dibenz(a,h)anthracene	< 47.8	47.8	µg/Kg-dry	5/6/05 10:20	24573	GO
Diethyl phthalate	< 53.5	53.5	µg/Kg-dry	5/6/05 10:20	24573	GO
Dimethyl phthalate	< 9.55	9.55	µg/Kg-dry	5/6/05 10:20	24573	GO
Fluoranthene	< 47.8	47.8	µg/Kg-dry	5/6/05 10:20	24573	GO
Fluorene	< 9.55	9.55	µg/Kg-dry	5/6/05 10:20	24573	GO
Hexachlorobenzene	< 9.55	9.55	µg/Kg-dry	5/6/05 10:20	24573	GO
Hexachlorobutadiene	< 19.	19.	µg/Kg-dry	5/6/05 10:20	24573	GO
Hexachlorocyclopentadiene	< 239.	239.	µg/Kg-dry	5/6/05 10:20	24573	GO
Hexachloroethane	< 9.32	9.32	µg/Kg-dry	5/6/05 10:20	24573	GO
Indeno(1,2,3-cd)pyrene	< 47.8	47.8	µg/Kg-dry	5/6/05 10:20	24573	GO
Isophorone	< 47.8	47.8	µg/Kg-dry	5/6/05 10:20	24573	GO
N-Nitrosodi-n-propylamine	< 9.55	9.55	µg/Kg-dry	5/6/05 10:20	24573	GO
N-Nitrosodimethylamine	< 23.9	23.9	µg/Kg-dry	5/6/05 10:20	24573	GO
N-Nitrosodiphenylamine	< 24.7	24.7	µg/Kg-dry	5/6/05 10:20	24573	GO
Naphthalene	< 9.55	9.55	µg/Kg-dry	5/6/05 10:20	24573	GO
Nitrobenzene	< 23.9	23.9	µg/Kg-dry	5/6/05 10:20	24573	GO
Pentachlorophenol	< 239.	239.	µg/Kg-dry	5/6/05 10:20	24573	GO
Phenanthrene	< 4.78	4.78	µg/Kg-dry	5/6/05 10:20	24573	GO
Phenol	< 10.9	10.9	µg/Kg-dry	5/6/05 10:20	24573	GO
Pyrene	< 23.9	23.9	µg/Kg-dry	5/6/05 10:20	24573	GO

Volatile Organic Compounds by GC/MS

Method: SW8260B / SW5030A

1,1,1-Trichloroethane	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
1,1,2,2-Tetrachloroethane	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
1,1,2-Trichloroethane	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
1,1-Dichloroethane	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
1,1-Dichloroethene	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
1,2-Dibromo-3-chloropropane	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
1,2-Dibromoethane	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
1,2-Dichloroethane	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
1,2-Dichloropropane	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
1-Butanol	< 562.	562.	C µg/Kg-dry	5/6/05 10:30	24608	SSK
2-Butanone	< 112.	112.	µg/Kg-dry	5/6/05 10:30	24608	SSK

Qualifiers: B - Analyte detected in the associated Method Blank
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C - Laboratory not accredited for this parameter

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R - RPD outside accepted recovery limits
J - Analyte detected below quantitation limits

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environmental laboratory and testing services

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No. 100258

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



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Report of Laboratory Analysis

CLIENT: Sevencson Env Services, Inc.
Lab Order: 05040742
Project: Off site fill criteria
Lab ID: 05040742-01

Client Sample ID: 042605-B
Report Date: 6/20/2005
Collection Date: 4/26/2005 1:54:00 PM
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
2-Chloroethyl vinyl ether	< 22.5	22.5	µg/Kg-dry	5/6/05 10:30	24608	SSK
2-Hexanone	< 112.	112.	µg/Kg-dry	5/6/05 10:30	24608	SSK
4-Methyl-2-pentanone	< 112.	112.	µg/Kg-dry	5/6/05 10:30	24608	SSK
Acetone	< 270.	270.	µg/Kg-dry	5/6/05 10:30	24608	SSK
Acrylonitrile	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Benzene	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Bromodichloromethane	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Bromoform	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Bromomethane	< 22.5	22.5	µg/Kg-dry	5/6/05 10:30	24608	SSK
Carbon disulfide	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Carbon tetrachloride	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Chlorobenzene	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Chloroethane	< 22.5	22.5	µg/Kg-dry	5/6/05 10:30	24608	SSK
Chloroform	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Chloromethane	< 22.5	22.5	µg/Kg-dry	5/6/05 10:30	24608	SSK
cis-1,2-Dichloroethene	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
cis-1,3-Dichloropropene	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Dibromochloromethane	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Ethylbenzene	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
m,p-Xylene	< 22.5	22.5	µg/Kg-dry	5/6/05 10:30	24608	SSK
Methyl tert-butyl ether	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Methylene chloride	126.	62.3	µg/Kg-dry	5/6/05 23:33	24644	SSK
o-Xylene	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Styrene	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Tetrachloroethene	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Toluene	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
trans-1,2-Dichloroethene	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
trans-1,3-Dichloropropene	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Trichloroethene	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Vinyl acetate	< 22.5	22.5	µg/Kg-dry	5/6/05 10:30	24608	SSK
Vinyl chloride	< 11.2	11.2	µg/Kg-dry	5/6/05 10:30	24608	SSK
Xylenes, Total	< 33.7	33.7	µg/Kg-dry	5/6/05 10:30	24608	SSK

Qualifiers: B - Analyte detected in the associated Method Blank
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R - RPD outside accepted recovery limits
J - Analyte detected below quantitation limits

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environmental laboratory and testing services

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ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



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Report of Laboratory Analysis

CLIENT:	Sevenson Env. Services, Inc.	Client Sample ID:	041205-A2
Lab Order:	05040742	Report Date:	6/20/2005
Project:	Off site fill criteria	Collection Date:	4/26/2005 3:21:00 PM
Lab ID:	05040742-02	Matrix:	Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
Anions by Ion Chromatography						
Sulfate	9.48	3.93	mg/Kg-dry	5/5/05 12:39	R80518	LNS
Corrosivity by pH						
pH	7.13		pH Units	5/3/05 09:30	R80342	VT
Cyanide, Total						
Cyanide	< 2	2	mg/Kg	5/2/05	24499	AGG
Percent Moisture						
Percent Moisture	23.7	0.1	C % (Percent)	5/2/05 10:00	R80295	RM2
Radiation Screen						
Radiation Screen	At background		C No unit	5/3/05 08:00	R80333	VT
Sulfide						
sulfide, total	< 10	10	C mg/kg	5/2/05	R80308	CS2
ICP-MS Metals, Total.						
Aluminum	10300	152	mg/Kg	4/28/05	24462	AG
Antimony	< 3.5	3.5	mg/Kg	4/28/05	24462	AG
Arsenic	5.31	2.17	mg/Kg	4/28/05	24462	AG
Barium	83.9	2.11	mg/Kg	4/28/05	24462	AG
Beryllium	0.569	0.195	mg/Kg	4/28/05	24462	AG
Cadmium	< 0.486	0.486	mg/Kg	4/28/05	24462	AG
Calcium	3640	281	C mg/Kg	4/28/05	24462	AG
Chromium	< 13.9	13.9	mg/Kg	4/28/05	24462	AG
Cobalt	6.59	0.656	mg/Kg	4/28/05	24462	AG
Copper	15.6	12.6	mg/Kg	4/28/05	24462	AG
Iron	20100	499	mg/Kg	4/28/05	24462	AG
Lead	13.9	1.36	mg/Kg	4/28/05	24462	AG
Magnesium	2430	43.6	C mg/Kg	4/28/05	24462	AG
Manganese	384	5.73	mg/Kg	4/28/05	24462	AG
Nickel	15.5	2.61	mg/Kg	4/28/05	24462	AG
Potassium	1090	68.2	mg/Kg	4/28/05	24462	AG

Qualifiers:	B - Analyte detected in the associated Method Blank	S - Spike Recovery outside accepted recovery limits
	E - Estimated	R - RPD outside accepted recovery limits
	H - Holding Time Exceeded	J - Analyte detected below quantitation limits
	C - Laboratory not accredited for this parameter	

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Report of Laboratory Analysis

CLIENT: Severson Env. Services, Inc.

Client Sample ID: 041205-A2

Lab Order: 05040742

Report Date: 6/20/2005

Project: Off site fill criteria

Collection Date: 4/26/2005 3:21:00 PM

Lab ID: 05040742-02

Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
Selenium	< 1.83	1.83	mg/Kg	4/28/05	24462	AG
Silver	< 0.484	0.484	mg/Kg	4/28/05	24462	AG
Sodium	< 159.	159.	C mg/Kg	4/28/05	24462	AG
Thallium	< 3.19	3.19	mg/Kg	4/28/05	24462	AG
Vanadium	18.5	1.19	mg/Kg	4/28/05	24462	AG
Zinc	51.7	8.62	mg/Kg	4/28/05	24462	AG
Mercury, Total						
		Method: SW7471A				
Mercury	0.0359	0.035	S mg/Kg	4/28/05	24466	IG
Organochlorine Pesticides						
		Method: SW8081A / SW3540C				
4,4'-DDD	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
4,4'-DDE	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
4,4'-DDT	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
Aldrin	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
alpha-BHC	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
beta-BHC	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
Chlordane	< 49.8	49.8	µg/Kg-dry	5/3/05 21:35	24536	MNN
delta-BHC	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
Dieldrin	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
Endosulfan I	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
Endosulfan II	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
Endosulfan sulfate	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
Endrin	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
Endrin aldehyde	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
gamma-BHC	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
Heptachlor	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
Heptachlor epoxide	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
Methoxychlor	< 16.6	16.6	µg/Kg-dry	5/3/05 21:35	24536	MNN
Toxaphene	< 353.	353.	µg/Kg-dry	5/3/05 21:35	24536	MNN
Polychlorinated biphenyls (PCBs)						
		Method: SW8082 / SW3540C				
Aroclor 1016	< 1.	1.	mg/Kg	5/3/05	24535	IP
Aroclor 1221	< 1.	1.	mg/Kg	5/3/05	24535	IP
Aroclor 1232	< 1	1	mg/Kg	5/3/05	24535	IP

Qualifiers:

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Report of Laboratory Analysis

CLIENT: Severson Env. Services, Inc.

Client Sample ID: 041205-A2

Lab Order: 05040742

Report Date: 6/20/2005

Project: Off site fill criteria

Collection Date: 4/26/2005 3:21:00 PM

Lab ID: 05040742-02

Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
Aroclor 1242	< 1.	1.	mg/Kg	5/3/05	24535	JP
Aroclor 1248	< 1	1.	mg/Kg	5/3/05	24535	JP
Aroclor 1254	< 1.	1.	mg/Kg	5/3/05	24535	JP
Aroclor 1260	< 1	1.	mg/Kg	5/3/05	24535	JP
Semivolatile Organic Compounds GC/MS						
			Method: SW8270C / SW3550B			
1,2,4-Trichlorobenzene	< 5.18	5.18	µg/Kg-dry	5/5/05 22:41	24573	GO
1,2-Dichlorobenzene	< 5.18	5.18	µg/Kg-dry	5/5/05 22:41	24573	GO
1,3-Dichlorobenzene	< 5.18	5.18	C µg/Kg-dry	5/5/05 22:41	24573	GO
1,4-Dichlorobenzene	< 13.1	13.1	µg/Kg-dry	5/5/05 22:41	24573	GO
2,4,6-Trichlorophenol	< 130.	130.	µg/Kg-dry	5/5/05 22:41	24573	GO
2,4-Dichlorophenol	< 51.8	51.8	µg/Kg-dry	5/5/05 22:41	24573	GO
2,4-Dimethylphenol	< 51.8	51.8	µg/Kg-dry	5/5/05 22:41	24573	GO
2,4-Dinitrophenol	< 259.	259.	µg/Kg-dry	5/5/05 22:41	24573	GO
2,4-Dinitrotoluene	< 130	130	µg/Kg-dry	5/5/05 22:41	24573	GO
2,6-Dinitrotoluene	< 130.	130.	µg/Kg-dry	5/5/05 22:41	24573	GO
2-Chloronaphthalene	< 5.18	5.18	µg/Kg-dry	5/5/05 22:41	24573	GO
2-Chlorophenol	< 5.18	5.18	µg/Kg-dry	5/5/05 22:41	24573	GO
2-Nitrophenol	< 130.	130.	µg/Kg-dry	5/5/05 22:41	24573	GO
3,3'-Dichlorobenzidine	< 213.	213.	µg/Kg-dry	5/5/05 22:41	24573	GO
4,6-Dinitro-2-methylphenol	< 259	259.	µg/Kg-dry	5/5/05 22:41	24573	GO
4-Bromophenyl phenyl ether	< 10.4	10.4	µg/Kg-dry	5/5/05 22:41	24573	GO
4-Chloro-3-methylphenol	< 130.	130.	µg/Kg-dry	5/5/05 22:41	24573	GO
4-Chlorophenyl phenyl ether	< 10.4	10.4	µg/Kg-dry	5/5/05 22:41	24573	GO
4-Nitrophenol	< 51.8	51.8	µg/Kg-dry	5/5/05 22:41	24573	GO
Acenaphthene	< 5.18	5.18	µg/Kg-dry	5/5/05 22:41	24573	GO
Acenaphthylene	< 25.9	25.9	µg/Kg-dry	5/5/05 22:41	24573	GO
Anthracene	< 25.9	25.9	µg/Kg-dry	5/5/05 22:41	24573	GO
Azobenzene as 1,2-Diphenylhydrazine	< 38.6	38.6	C µg/Kg-dry	5/5/05 22:41	24573	GO
Benz(a)anthracene	< 25.9	25.9	µg/Kg-dry	5/5/05 22:41	24573	GO
Benzidine	< 259.	259.	µg/Kg-dry	5/5/05 22:41	24573	GO
Benzo(a)pyrene	< 130	130.	µg/Kg-dry	5/5/05 22:41	24573	GO
Benzo(b+k)fluoranthene	< 259.	259.	µg/Kg-dry	5/5/05 22:41	24573	GO

Qualifiers: B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

E - Estimated

R - RPD outside accepted recovery limits

H - Holding Time Exceeded

*J - Analyte detected below quantitation limits

C - Laboratory not accredited for this parameter

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Report of Laboratory Analysis

CLIENT: Severson Env. Services, Inc.

Client Sample ID: 041205-A2

Lab Order: 05040742

Report Date: 6/20/2005

Project: Off site fill criteria

Collection Date: 4/26/2005 3:21:00 PM

Lab ID: 05040742-02

Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
Benzo(g,h,i)perylene	< 51.8	51.8	µg/Kg-dry	5/5/05 22:41	24573	GO
Bis(2-chloroethoxy)methane	< 5.18	5.18	µg/Kg-dry	5/5/05 22:41	24573	GO
Bis(2-chloroethyl)ether	< 5.18	5.18	µg/Kg-dry	5/5/05 22:41	24573	GO
Bis(2-chloroisopropyl)ether	< 5.18	5.18	µg/Kg-dry	5/5/05 22:41	24573	GO
Bis(2-ethylhexyl)phthalate	< 130	130	µg/Kg-dry	5/5/05 22:41	24573	GO
Butyl benzyl phthalate	< 130	130	µg/Kg-dry	5/5/05 22:41	24573	GO
Chrysene	< 10.4	10.4	µg/Kg-dry	5/5/05 22:41	24573	GO
Di-n-butyl phthalate	< 130	130	µg/Kg-dry	5/5/05 22:41	24573	GO
Di-n-octyl phthalate	< 259	259	µg/Kg-dry	5/5/05 22:41	24573	GO
Dibenz(a,h)anthracene	< 51.8	51.8	µg/Kg-dry	5/5/05 22:41	24573	GO
Diethyl phthalate	< 58	58	µg/Kg-dry	5/5/05 22:41	24573	GO
Dimethyl phthalate	< 10.4	10.4	µg/Kg-dry	5/5/05 22:41	24573	GO
Fluoranthene	< 51.8	51.8	µg/Kg-dry	5/5/05 22:41	24573	GO
Fluorene	< 10.4	10.4	µg/Kg-dry	5/5/05 22:41	24573	GO
Hexachlorobenzene	< 10.4	10.4	µg/Kg-dry	5/5/05 22:41	24573	GO
Hexachlorobutadiene	< 20.7	20.7	µg/Kg-dry	5/5/05 22:41	24573	GO
Hexachlorocyclopentadiene	< 259	259	µg/Kg-dry	5/5/05 22:41	24573	GO
Hexachloroethane	< 10.1	10.1	µg/Kg-dry	5/5/05 22:41	24573	GO
Indeno(1,2,3-cd)pyrene	< 51.8	51.8	µg/Kg-dry	5/5/05 22:41	24573	GO
Isophorone	< 51.8	51.8	µg/Kg-dry	5/5/05 22:41	24573	GO
N-Nitrosodi-n-propylamine	< 10.4	10.4	µg/Kg-dry	5/5/05 22:41	24573	GO
N-Nitrosodimethylamine	< 25.9	25.9	µg/Kg-dry	5/5/05 22:41	24573	GO
N-Nitrosodiphenylamine	< 26.8	26.8	µg/Kg-dry	5/5/05 22:41	24573	GO
Naphthalene	< 10.4	10.4	µg/Kg-dry	5/5/05 22:41	24573	GO
Nitrobenzene	< 25.9	25.9	µg/Kg-dry	5/5/05 22:41	24573	GO
Pentachlorophenol	< 259	259	µg/Kg-dry	5/5/05 22:41	24573	GO
Phenanthrene	< 5.18	5.18	µg/Kg-dry	5/5/05 22:41	24573	GO
Phenol	< 11.8	11.8	µg/Kg-dry	5/5/05 22:41	24573	GO
Pyrene	< 25.9	25.9	µg/Kg-dry	5/5/05 22:41	24573	GO

Volatile Organic Compounds by GC/MS

Method: SW8260B / SW5030A

1,1,1-Trichloroethane	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
1,1,2,2-Tetrachloroethane	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
1,1,2-Trichloroethane	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK

Qualifiers:

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

E - Estimated

R - RPD outside accepted recovery limits

H - Holding Time Exceeded

J - Analyte detected below quantitation limits

C - Laboratory not accredited for this parameter

environmental laboratory and testing services

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ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



8100 North Austin Avenue • Morton Grove, IL 60053-3203
847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

Report of Laboratory Analysis

CLIENT: Severson Env. Services, Inc. **Client Sample ID:** 041205-A2
Lab Order: 05040742 **Report Date:** 6/20/2005
Project: Off site fill criteria **Collection Date:** 4/26/2005 3:21:00 PM
Lab ID: 05040742-02 **Matrix:** Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
1,1-Dichloroethane	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
1,1-Dichloroethane	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
1,2-Dibromo-3-chloropropane	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
1,2-Dibromoethane	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
1,2-Dichloroethane	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
1,2-Dichloropropane	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
1-Butanol	< 747.	747.	C µg/Kg-dry	5/6/05 11:07	24608	SSK
2-Butanone	< 149.	149.	µg/Kg-dry	5/6/05 11:07	24608	SSK
2-Chloroethyl vinyl ether	< 29.9	29.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
2-Hexanone	< 149.	149.	µg/Kg-dry	5/6/05 11:07	24608	SSK
4-Methyl-2-pentanone	< 149.	149.	µg/Kg-dry	5/6/05 11:07	24608	SSK
Acetone	< 359.	359.	µg/Kg-dry	5/6/05 11:07	24608	SSK
Acrylonitrile	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Benzene	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Bromodichloromethane	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Bromoform	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Bromomethane	< 29.9	29.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Carbon disulfide	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Carbon tetrachloride	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Chlorobenzene	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Chloroethane	< 29.9	29.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Chloroform	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Chloromethane	< 29.9	29.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
cis-1,2-Dichloroethene	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
cis-1,3-Dichloropropene	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Dibromochloromethane	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Ethylbenzene	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
m,p-Xylene	< 29.9	29.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Methyl tert-butyl ether	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Methylene chloride	471.	29.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
o-Xylene	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Styrene	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Tetrachloroethene	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK
Toluene	< 14.9	14.9	µg/Kg-dry	5/6/05 11:07	24608	SSK

Qualifiers: B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

C - Laboratory not accredited for this parameter

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

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Report of Laboratory Analysis

CLIENT: Severson Env Services, Inc.

Client Sample ID: 041205-A2

Lab Order: 05040742

Report Date: 6/20/2005

Project: Off site fill criteria

Collection Date: 4/26/2005 3:21:00 PM

Lab ID: 05040742-02

Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
trans-1,2-Dichloroethene	< 14.9	14.9	µg/Kg-dry	5/8/05 11:07	24608	SSK
trans-1,3-Dichloropropene	< 14.9	14.9	µg/Kg-dry	5/8/05 11:07	24608	SSK
Trichloroethene	< 14.9	14.9	µg/Kg-dry	5/8/05 11:07	24608	SSK
Vinyl acetate	< 29.9	29.9	µg/Kg-dry	5/8/05 11:07	24608	SSK
Vinyl chloride	< 14.9	14.9	µg/Kg-dry	5/8/05 11:07	24608	SSK
Xylenes, Total	< 44.8	44.8	µg/Kg-dry	5/8/05 11:07	24608	SSK

Qualifiers:

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

E - Estimated

R - RPD outside accepted recovery limits

H - Holding Time Exceeded

J - Analyte detected below quantitation limits

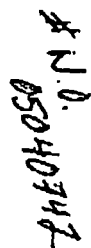
C - Laboratory not accredited for this parameter

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CHAIN OF CUSTODY RECORD

[illegible]



**Sevenson
Environmental
Services, Inc.**

LETTER OF TRANSMITTAL

8270 Whitcomb Street
Merrillville, IN 46410
(219) 756-4686

SAND

TO: Conestoga-Rover & Associates	DATE: April 18, 2005
ADDRESS: 8615 West Bryn Mawr Ave.	JOB NO.: E 855
CITY: Chicago, IL 60631-3501	RE: Additional Off Site Fill Source Section 02300-2.1 D
ATTENTION: Mr. Tim Leo	

PLEASE BE ADVISED:

WE ARE SENDING YOU:

☐ PRINTS

☐ PLANTS

☐ ARTWORK

☐ PROOFS

☒ ANALYTICAL

X Attached

☐ SHOP DRAWINGS

☐ PHOTOGRAPHS

☐ Under Separate Cover Via The Following:

☐ SAMPLES

☐ SPECIFICATIONS

☒ COPY OF LETTER(s)

☐ CHANGE ORDER

	No. of Copies	Drawing No.	Date	Description
1	1		4/18/05	Analytical for additional off site fill source
2	1		4/18/05	Gradation report for additional off site fill source
3	1		4/18/05	Proctor report for additional off site fill source
4	1		4/18/05	Certification letter for additional off site fill source
5				

THESE ARE BEING TRANSMITTED AS INDICATED BELOW:

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APPROVED FOR USE

Tim Leo

April 29/05

Rec'd CRA

APR 19 2005

accepted because

- same material as used by IDOT
- mined from nearby location

COPIES TO:

SEVENSON ENVIRONMENTAL SERVICES, INC.

Signed

C. Taylor

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



April 12, 2005

Curtis Taylor
Sevenson Env. Services, Inc
180 Seahorse Drive
Waukegan, IL 60085

RE Off site fill criteria

Lab Orders:
05030793

Dear Mr. Taylor:

Enclosed are the analytical reports for the EMT Lab Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me at 847-967-6666.

Sincerely,

A handwritten signature in black ink, appearing to read 'Eric Jensen', written over a horizontal line.

Eric Jensen
Project Manager

Approved by,

A handwritten signature in black ink, appearing to read 'Mitchell Ostrowski', written in a cursive style.

Mitchell Ostrowski
Laboratory Director

CC
Chris Rice
Sevenson Env. Services, Inc.
8270 Whitcomb Street
Merrillville, IN 46410

The Contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety.

State of Illinois Chemical Analysis in Drinking Water Accredited Lab No. 100256
State of Wisconsin Wastewater and Hazardous Waste No. 999888890

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ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



CLIENT: Severson Env. Services, Inc.

Date: 12-Apr-05

Project: Off site fill criteria

CASE NARRATIVE

Lab Order: 05030793

Unless otherwise noted, samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

Unless otherwise noted, all method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Sample results relate only to the analytes of interest tested and to the sample received at the laboratory.

All results are reported on a wet weight basis, unless otherwise noted. Dry weight adjusted results are indicated by the notation "dry" in the Units column.

Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated. For specific information regarding EMT's scope of accreditation, please contact your EMT project manager.

The Reporting Limit listed on the Report of Laboratory Analysis is EMT's reporting limit for the analyte reported. For most test methods this reporting limit is primarily based upon the lowest point in the calibration curve.

Method References:

SW=USEPA, Test Methods for Evaluating Solid Waste, SW-846.

E=USEPA Methods for the Determination of Inorganic Substances in Environmental Samples; Methods for Chemical Analysis of Water and Wastes; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, 40 CFR Part 136, App A; methods for the Determination of Metals in Environmental Samples; Methods for the Determination of Organic Compounds in Drinking Water.

SM= APHA, Standard Methods for the Examination of Water and Wastewater.

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



CLIENT: Severson Env. Services, Inc.

Date: 12-Apr-05

Project: Off site fill criteria

CASE NARRATIVE

Lab Order: 05030793

D=ASTM, Annual Book of Standards

Analytical Comments for METHOD SULF_9030_S, 05030793-01A: The sample was added after the holding time has expired. Analytical Comments for METHOD SULF_9030_S, 05030793-02A: The sample was added after the holding time has expired. Analytical Comments for METHOD PMOIST, 05030793-01A: The sample was added after the holding time has expired. Analytical Comments for METHOD PMOIST, 05030793-02A: The sample was added after the holding time has expired. Analytical Comments for METHOD 8260_S, k097033: CCV recovery of target analytes in the standard outside of the 80-120% recovery limit are: 1,1-Dichloroethane, Bromomethane, Chloroethane, Chloromethane, Methylene chloride, Vinyl acetate, and Vinyl chloride. LCS target compounds outside of the lab control limits are: 1,1-Dichloroethane, Chloromethane, and Vinyl chloride. Analytical Comments for METHOD 8270_SSON, MB-24034: The method blank is contaminated above MDL but below RL with Bis(2-ethylhexyl)phthalate at 2.9 ppb and Di-n-butyl phthalate at 5.6 ppb. The recovery of 2,4-Dinitrophenol at 155.64% and Benzoic acid at 132.44% in the check standard was above 120% limit. Analytical Comments for METHOD 8270_SSON, LCS-24034: The recovery of 2,4-Dinitrophenol at 155.64% and Benzoic acid at 132.44% in the check standard was above 120% limit. LCS recovery for Benzyl alcohol is below the laboratory control limit. Analytical Comments for METHOD 8270_SSON, 05030793-01A: The reporting limit of Bis(2-ethylhexyl)phthalate has been increased due to the blank contamination. Analytical Comments for METHOD 8270_SSON, 05030793-02A: The reporting limit of Bis(2-ethylhexyl)phthalate and Di-n-butyl phthalate has been increased due to the blank contamination. Analytical Comments for METHOD 8081_S, 05030793-02A: 2,3,4,4',5,6-Hexachlorobiphenyl surrogate recovery was below the laboratory acceptance limit. MS/MSD for Endosulfan II and Endosulfan sulfate is below the laboratory acceptance limit. The LCS run with the batch is acceptable.



Report of Laboratory Analysis

CLIENT: Sevcon Env. Services, Inc.
Lab Order: 05030793
Project: Off site fill criteria
Lab ID: 05030793-02

Client Sample ID: 032805-B
Report Date: 4/12/2005
Collection Date: 3/28/2005 1:11:00 PM
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
Anions by Ion Chromatography						
Sulfate	10.9	3.31	mg/Kg-dry	4/9/05	R79509	LNS
Cyanide, Total						
Cyanide	< 2.	2	mg/Kg	4/6/05	24022	AGG
Percent Moisture						
Percent Moisture	9.25	0.1	HC % (Percent)	4/7/05	R79454	RM2
Radiation Screen						
Radiation Screen	At background		C No unit	4/7/05 06:30	R79397	VT
Sulfide						
sulfide, total	< 10	10	HC mg/kg	4/6/05	R79385	CS2
ICP-AES Metals, Total						
Aluminum	1060.	29.1	mg/Kg	4/7/05	24027	ES
Antimony	123.	22.7	mg/Kg	4/7/05	24027	ES
Calcium	49600	80.6	mg/Kg	4/7/05	24027	ES
Magnesium	24700.	77.3	mg/Kg	4/7/05	24027	ES
Potassium	< 187	187	mg/Kg	4/7/05	24027	ES
Sodium	146	118.	mg/Kg	4/7/05	24027	ES
ICP-MS Metals, Total.						
Arsenic	< 4.74	4.74	mg/Kg-dry	4/8/05 19:08	24027	AG
Barium	6.84	4.62	mg/Kg-dry	4/8/05 19:08	24027	AG
Beryllium	< 0.426	0.426	mg/Kg-dry	4/8/05 19:08	24027	AG
Cadmium	< 1.06	1.06	mg/Kg-dry	4/8/05 19:08	24027	AG
Chromium	< 30.4	30.4	mg/Kg-dry	4/8/05 19:08	24027	AG
Cobalt	1.78	1.43	mg/Kg-dry	4/8/05 19:08	24027	AG
Copper	< 27.5	27.5	mg/Kg-dry	4/8/05 19:08	24027	AG
Iron	5300.	218	mg/Kg-dry	4/8/05 19:08	24027	AG
Lead	< 2.98	2.98	mg/Kg-dry	4/8/05 19:08	24027	AG
Manganese	150.	12.5	mg/Kg-dry	4/8/05 19:08	24027	AG
Nickel	< 5.7	5.7	mg/Kg-dry	4/8/05 19:08	24027	AG

Qualifiers: B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
C - Laboratory not accredited for this parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
I - Analyte detected below quantitation limits

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ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



Report of Laboratory Analysis

CLIENT: Severson Env. Services, Inc
Lab Order: 05030793
Project: Off site fill criteria
Lab ID: 05030793-02

Client Sample ID: 032805-B
Report Date: 4/12/2005
Collection Date: 3/28/2005 1:11:00 PM
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
Selenium	< 10.7	10.7	mg/Kg-dry	4/8/05 19:08	24027	AG
Silver	< 3.17	3.17	mg/Kg-dry	4/8/05 19:08	24027	AG
Thallium	< 20.9	20.9	mg/Kg-dry	4/8/05 19:08	24027	AG
Vanadium	9.39	2.59	mg/Kg-dry	4/8/05 19:08	24027	AG
Zinc	< 18.8	18.8	mg/Kg-dry	4/8/05 19:08	24027	AG
Mercury, Total						
		Method: SW7471A				
Mercury	< 0.0344	0.0344	mg/Kg	4/6/05	24033	IG
Organochlorine Pesticides						
		Method: SW8081A / SW3540C				
4,4'-DDD	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
4,4'-DDE	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
4,4'-DDT	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
Aldrin	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
alpha-BHC	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
beta-BHC	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
Chlordane	< 32.2	32.2	µg/Kg-dry	4/9/05 01:29	24048	MNN
delta-BHC	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
Dieldrin	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
Endosulfan I	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
Endosulfan II	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
Endosulfan sulfate	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
Endrin	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
Endrin aldehyde	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
gamma-BHC	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
Heptachlor	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
Heptachlor epoxide	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
Methoxychlor	< 10.7	10.7	µg/Kg-dry	4/9/05 01:29	24048	MNN
Toxaphene	< 229	229	µg/Kg-dry	4/9/05 01:29	24048	MNN
Surrogates:						
2,3,4,4',5,6-Hexachlorobiphenyl	19.2	51-155	S %REC	4/9/05 01:29	24048	MNN
3,5-Dichlorobiphenyl	47.5	44.4-156	%REC	4/9/05 01:29	24048	MNN
Polychlorinated biphenyls (PCBs)						
		Method: SW8082 / SW3540C				
Aroclor 1016	< 0.0536	0.0536	mg/Kg-dry	4/8/05 01:12	24046	IP

Qualifiers: B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

C - Laboratory not accredited for this parameter

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

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ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



Report of Laboratory Analysis

CLIENT: Severson Env. Services, Inc.

Client Sample ID: 032805-B

Lab Order: 05030793

Report Date: 4/12/2005

Project: Off site fill criteria

Collection Date: 3/28/2005 1:11:00 PM

Lab ID: 05030793-02

Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
Aroclor 1221	< 0.0536	0.0536	mg/Kg-dry	4/8/05 01:12	24046	IP
Aroclor 1232	< 0.0536	0.0536	mg/Kg-dry	4/8/05 01:12	24046	IP
Aroclor 1242	< 0.0536	0.0536	mg/Kg-dry	4/8/05 01:12	24046	IP
Aroclor 1248	< 0.0536	0.0536	mg/Kg-dry	4/8/05 01:12	24046	IP
Aroclor 1254	< 0.0536	0.0536	mg/Kg-dry	4/8/05 01:12	24046	IP
Aroclor 1260	< 0.0536	0.0536	mg/Kg-dry	4/8/05 01:12	24046	IP

Surrogates:

2,3,4,4',5,6-Hexachlorobiphenyl	29.2	28.5-155	%REC	4/8/05 01:12	24046	IP
3,5-Dichlorobiphenyl	49.3	31.6-161	%REC	4/8/05 01:12	24046	IP

Semivolatile Organic Compounds GC/MS

Method: SW8270C / SW3550B

1,2,4-Trichlorobenzene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
1,2-Dichlorobenzene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
1,3-Dichlorobenzene	< 8.8	8.8	C µg/Kg-dry	4/9/05 14:49	24034	GO
1,4-Dichlorobenzene	< 9.31	9.31	µg/Kg-dry	4/9/05 14:49	24034	GO
2,4,6-Trichlorophenol	< 12.8	12.8	µg/Kg-dry	4/9/05 14:49	24034	GO
2,4-Dichlorophenol	< 13.9	13.9	µg/Kg-dry	4/9/05 14:49	24034	GO
2,4-Dimethylphenol	< 51.8	51.8	µg/Kg-dry	4/9/05 14:49	24034	GO
2,4-Dinitrophenol	< 264	264	µg/Kg-dry	4/9/05 14:49	24034	GO
2,4-Dinitrotoluene	< 27.1	27.1	µg/Kg-dry	4/9/05 14:49	24034	GO
2,6-Dinitrotoluene	< 35.8	35.8	µg/Kg-dry	4/9/05 14:49	24034	GO
2-Chloronaphthalene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
2-Chlorophenol	< 20.	20.	µg/Kg-dry	4/9/05 14:49	24034	GO
2-Nitrophenol	< 30.9	30.9	µg/Kg-dry	4/9/05 14:49	24034	GO
3,3'-Dichlorobenzidine	< 261	261	µg/Kg-dry	4/9/05 14:49	24034	GO
4,6-Dinitro-2-methylphenol	< 47.2	47.2	µg/Kg-dry	4/9/05 14:49	24034	GO
4-Bromophenyl phenyl ether	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
4-Chloro-3-methylphenol	< 17.1	17.1	µg/Kg-dry	4/9/05 14:49	24034	GO
4-Chlorophenyl phenyl ether	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
4-Nitrophenol	< 20.2	20.2	µg/Kg-dry	4/9/05 14:49	24034	GO
Acenaphthene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Acenaphthylene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Anthracene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO

Qualifiers:

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

E - Estimated

R - RPD outside accepted recovery limits

H - Holding Time exceeded

J - Analyte detected below quantitation limits

C - Laboratory not accredited for this parameter

environmental laboratory and testing services

water soil air product waste

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ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



Report of Laboratory Analysis

CLIENT: Severson Env. Services, Inc.

Client Sample ID: 032805-B

Lab Order: 05030793

Report Date: 4/12/2005

Project: Off site fill criteria

Collection Date: 3/28/2005 1:11:00 PM

Lab ID: 05030793-02

Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
Azobenzene as 1,2-Diphenylhydrazine	< 42.8	42.8	C µg/Kg-dry	4/9/05 14:49	24034	GO
Benzo(a)anthracene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Benidrine	< 815	815	µg/Kg-dry	4/9/05 14:49	24034	GO
Benzo(a)pyrene	< 40	40	µg/Kg-dry	4/9/05 14:49	24034	GO
Benzo(b+k)fluoranthene	< 20.2	20.2	µg/Kg-dry	4/9/05 14:49	24034	GO
Benzo(g,h,i)perylene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Bis(2-chloroethoxy)methane	< 13.4	13.4	µg/Kg-dry	4/9/05 14:49	24034	GO
Bis(2-chloroethyl)ether	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Bis(2-chloroisopropyl)ether	< 19.2	19.2	µg/Kg-dry	4/9/05 14:49	24034	GO
Bis(2-ethylhexyl)phthalate	< 21.4	21.4	µg/Kg-dry	4/9/05 14:49	24034	GO
Butyl benzyl phthalate	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Chrysene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Di-n-butyl phthalate	< 28	28	µg/Kg-dry	4/9/05 14:49	24034	GO
Di-n-octyl phthalate	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Dibenz(a,h)anthracene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Diethyl phthalate	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Dimethyl phthalate	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Fluoranthene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Fluorene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Hexachlorobenzene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Hexachlorobutadiene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Hexachlorocyclopentadiene	< 264	264	µg/Kg-dry	4/9/05 14:49	24034	GO
Hexachloroethane	< 10.3	10.3	µg/Kg-dry	4/9/05 14:49	24034	GO
Indeno(1,2,3-cd)pyrene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Isophorone	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
N-Nitrosodi-n-propylamine	< 8.9	8.9	µg/Kg-dry	4/9/05 14:49	24034	GO
N-Nitrosodimethylamine	< 25.3	25.3	µg/Kg-dry	4/9/05 14:49	24034	GO
N-Nitrosodiphenylamine	< 72.2	72.2	µg/Kg-dry	4/9/05 14:49	24034	GO
Naphthalene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Nitrobenzene	< 21.4	21.4	µg/Kg-dry	4/9/05 14:49	24034	GO
Pentachlorophenol	< 58.7	58.7	µg/Kg-dry	4/9/05 14:49	24034	GO
Phenanthrene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Phenol	< 18.1	18.1	µg/Kg-dry	4/9/05 14:49	24034	GO

Qualifiers: B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

E - Estimated

R - RPD outside accepted recovery limits

H - Holding Time Exceeded

I - Analyte detected below quantitation limits

C - Laboratory not accredited for this parameter

environmental laboratory and testing services

water · soil · air · product · waste

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Report of Laboratory Analysis

CLIENT: Severson Env. Services, Inc.
Lab Order: 05030793
Project: Off site fill criteria
Lab ID: 05030793-02

Client Sample ID: 032805-B
Report Date: 4/12/2005
Collection Date: 3/28/2005 1:11:00 PM
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
Pyrene	< 8.8	8.8	µg/Kg-dry	4/9/05 14:49	24034	GO
Surrogates:						
2,4,6-Tribromophenol	49.4	5-115	%REC	4/9/05 14:49	24034	GO
2-Fluorobiphenyl	30.9	5-88.8	C %REC	4/9/05 14:49	24034	GO
2-Fluorophenol	20.8	5-81.9	C %REC	4/9/05 14:49	24034	GO
4-Terphenyl-d14	61.8	5-128	%REC	4/9/05 14:49	24034	GO
Nitrobenzene-d5	25.7	5-93.6	%REC	4/9/05 14:49	24034	GO
Phenol-d5	25.8	5-91.6	%REC	4/9/05 14:49	24034	GO
Volatile Organic Compounds by GC/MS						
			Method: SW8260B / SW5030A			
1,1,1-Trichloroethane	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
1,1,2,2-Tetrachloroethane	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
1,1,2-Trichloroethane	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
1,1-Dichloroethane	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
1,1-Dichloroethene	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
1,2-Dibromo-3-chloropropane	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
1,2-Dibromoethane	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
1,2-Dichloroethane	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
1,2-Dichloropropane	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
1-Butanol	< 337.	337.	C µg/Kg-dry	4/8/05 06:23	24069	SSK
2-Butanone	< 67.3	67.3	µg/Kg-dry	4/8/05 06:23	24069	SSK
2-Chloroethyl vinyl ether	< 13.5	13.5	µg/Kg-dry	4/8/05 06:23	24069	SSK
2-Hexanone	< 67.3	67.3	µg/Kg-dry	4/8/05 06:23	24069	SSK
4-Methyl-2-pentanone	< 67.3	67.3	µg/Kg-dry	4/8/05 06:23	24069	SSK
Acetone	< 162	162	µg/Kg-dry	4/8/05 06:23	24069	SSK
Acrylonitrile	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Benzene	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Bromodichloromethane	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Bromoform	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Bromomethane	< 13.5	13.5	µg/Kg-dry	4/8/05 06:23	24069	SSK
Carbon disulfide	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Carbon tetrachloride	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Chlorobenzene	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Chloroethane	< 13.5	13.5	µg/Kg-dry	4/8/05 06:23	24069	SSK

Qualifiers: B - Analyte detected in the associated Method Blank
L - Estimated
H - Holding Time Exceeded
C - Laboratory not accredited for this parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
I - Analyte detected below quantitation limits

environmental laboratory and testing services

water : soil : air : product : waste



ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



Report of Laboratory Analysis

CLIENT: Severson Env. Services, Inc.

Client Sample ID: 032805-B

Lab Order: 05030793

Report Date: 4/12/2005

Project: Off site fill criteria

Collection Date: 3/28/2005 1:11:00 PM

Lab ID: 05030793-02

Matrix: Soil

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
Chloroform	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Chloromethane	< 13.5	13.5	µg/Kg-dry	4/8/05 06:23	24069	SSK
cis-1,2-Dichloroethene	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
cis-1,3-Dichloropropene	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Dibromochloromethane	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Ethylbenzene	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
m,p-Xylene	< 13.5	13.5	µg/Kg-dry	4/8/05 06:23	24069	SSK
Methyl tert-butyl ether	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Methylene chloride	< 13.5	13.5	µg/Kg-dry	4/8/05 06:23	24069	SSK
o-Xylene	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Styrene	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Tetrachloroethene	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Toluene	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
trans-1,2-Dichloroethene	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
trans-1,3-Dichloropropene	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Trichloroethene	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Vinyl acetate	< 13.5	13.5	µg/Kg-dry	4/8/05 06:23	24069	SSK
Vinyl chloride	< 6.73	6.73	µg/Kg-dry	4/8/05 06:23	24069	SSK
Xylenes, Total	< 20.2	20.2	µg/Kg-dry	4/8/05 06:23	24069	SSK
Surrogates:						
1,2-Dichloroethane-d4	120	66-126	%REC	4/8/05 06:23	24069	SSK
4-Bromofluorobenzene	101	60-122	%REC	4/8/05 06:23	24069	SSK
d4-1,2-Dichlorobenzene	83.2	66-121	%REC	4/8/05 06:23	24069	SSK
Dibromofluoromethane	113	65-124	%REC	4/8/05 06:23	24069	SSK
Fluorobenzene	91.0	65-134	%REC	4/8/05 06:23	24069	SSK
Toluene-d8	89.6	65-131	%REC	4/8/05 06:23	24069	SSK

Qualifiers: B - Analyte detected in the associated Method Blank

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H - Holding Time Exceeded

J - Analyte detected below quantitation limits

C - Laboratory not accredited for this parameter

environmental laboratory and testing services

water soil air product waste



SPECIAL INSTRUCTIONS:

LABORATORY COMPACTION CHARACTERISTICS OF SOIL

Report Number: 59051006.0002

Service Date: April 1, 2005

Terracon

9016 58th Place, Suite 900
Kenosha, WI 53144
(262) 656-9777

Client: Severson Environmental
Attn: Curtis Taylor
180 Sea Horse Drive
Waukegan IL 60085

Report Date: April 05, 2005

Project: Severson Engineering Laboratory Testing
180 Sea Horse Drive
Waukegan, IL

Project Number: 59051006

Material Information

Contractor: Severson Environmental
Source of Material: Contractor
Proposed Use: Backfill
USCS: SM

Sample Information

Sampled By: Michael L. Ziemba
Sample Location: 032805-B

Sample Description: Silty sand, trace gravel, brown

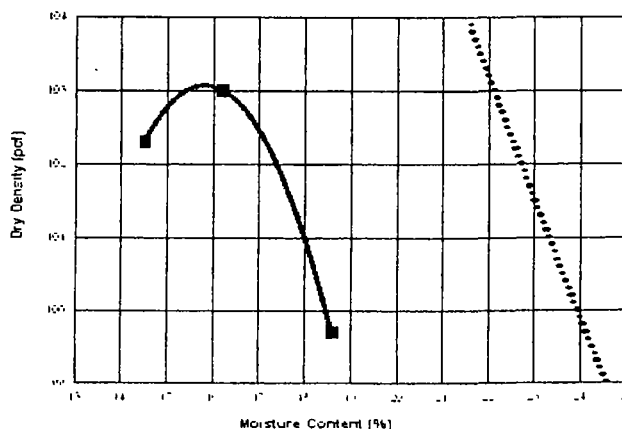
Laboratory Test Data

Test Procedure: ASTM D698-91
Test Method: Method A
Sample Preparation: Wet Preparation
Rammer Type: Manual Rammer
Maximum Dry Unit Weight, pcf: 103.0
Optimum Water Content, %: 16.0

	Result	Specifications
Liquid Limit:	NA	
Plastic Limit:	NA	
Plasticity Index:	NA	
% Passing #200:	NA	
% Passing #40:	NA	

Moisture Density Relations

Zero Air Voids Curve for assumed specific gravity 2.60



Services-n/a

Report Distribution
(1) Severson Environmental

Technician: Michael L. Ziemba

Reviewed by: Trevor A. Kauffeld
Trevor A. Kauffeld
Professional I (Geotengi)

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

Illinois Orders

(847) 395-3313 Antioch

(847) 395-3452 Fax

(815) 675-6613 Spring Grove

www.thelensg.com

Sand & Gravel, Inc.

28955 W Rte 173, Antioch, IL 60002

Wisconsin Orders

(262) 862-2324

(800) 537-2324

Waukegan Orders

(847) 662-0760

Doing business in Wisconsin as Wilnot Ready-Mix & Westosha Airport
Ready-Mixed Concrete • Aggregates • Excavating • Septics • Building Materials

April 18th, 2005

Sevenson Environmental

Attn: Curtis Tailor

Re: Thelen Blending Sand

This is to certify that the Blending Sand produced at our Antioch Facility meets the gradation requirements for FA-10 Blending Sand. We understand that an analysis on this Blending Sand was performed by Environmental Monitoring & Technologies, Inc. for physical and chemical contaminants and found to be within tolerances and acceptable for use.

Typical Average Gradation is as follows:

# 10	100.0
# 30	98.8
# 40	97.5
# 80	86.1
#100	43.3
# 200	7.6

We are proud of the quality of our products. If you have questions about this product or any other products we offer, please do not hesitate to contact our office. Thank You

Sincerely,


Brian W. Clark

Quality Control

Thelen Sand & Gravel, Inc.

APPENDIX D

COMPACTION TESTING RESULTS REPORTS

Rec'd CRA

APR 29 2005



TESTING SERVICE CORPORATION

Local Offices:

457 E Gundersen Drive, Carol Stream, IL 60188-2492
630 653 3920 • Fax 630 653 2726

209 Cleveland Street, Suite C, Cary, IL 60013-2978
847 516.0505 • Fax 847.516.0527

401 N. Riverside Drive, Suite 24, Gurnee, IL 60031-5914
847.249.6040 • Fax 847 249.6042

203 Earl Road, Suite A, Shorewood, IL 60431-9446
815.744.1510 • Fax 815 744 1728

8201 W 183RD Street, Suite C, Tinley Park, IL 60477-9249
708 429.2080 • Fax 708.429.2144

Gurnee, Illinois

April 25, 2005

Mr. Tim Leo
Conestoga-Rovers & Associates, Inc.
8615 West Bryn Mawr Avenue
Chicago, Illinois 60631

Re: L-62,873-2160
Report 1
Coke Project
Waukegan, Illinois
PO 10-000627

Dear Mr. Leo:

The following services have been provided in connection with the referenced project.

March	3, 2005	E Huffman	Technician Services	4.00 hours
April	1, 2005	L. Miller	Technician Services	4.00 hours*
April	6, 2005	S. Shah	Technician Services	4.00 hours*
April	18, 200	V. Hovakimian	Report Preparation	1.00 hour

*Use of Nuclear Density Equipment
(3) Laboratory Compaction Curves

Compaction Control

In-place density tests were performed on Crushed Limestone (CA-6) that was placed for the parking lot for the depths and locations shown on Percent Compaction Report.

Based on the ASTM D 1557 (Modified) laboratory procedure, the percent compaction values met the specification requirement of 95 percent. The percent compaction data are included with this correspondence.

Also, included with this correspondence are copies of the laboratory compaction curves for the following materials.

Conestoga-Rovers & Associates, Inc.
L - 62,873-2160 - April 25, 2005

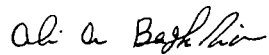
Soil Description	ASTM Procedure	Maximum Dry Density(PCF)	Optimum Water Content(%)
Crushed Limestone	D 1557	140.9	5.8
Brown SAND & GRAVEL	D 1557	134.6	7.3
Brown fine SAND	D 1557	120.2	6.7

Please call if there are any questions.

Respectfully submitted,

TESTING SERVICE CORPORATION

Prepared by,



Ali A. Bagherian, P.E.
Gurnee Branch Manager



Vahan Hovakimian, E.I.

AAB:VH:km
Enc. 4 Pages



PERCENT COMPACTION REPORT

TESTING SERVICE CORPORATION

157 E. GUNDERSEN DRIVE • CAROL STREAM, IL 60188-2492 • 630.653.3920 • FAX 630.653.2726
Conestoga-Rovers & Associates, Inc

CLIENT

8615 West Bryn Mawr avenue
Chicago, Illinois 60631

PROJECT

COKE PROJECT
WAUKEGAN, ILLINOIS

DATE TESTED

April 1 & 6, 2005

JOB NUMBER

L - 62,873

PAGE NUMBER

1 of 1

FIELD DATA

TEST NO.	LOCATION	DEPTH/ELEVATION	DRY UNIT WEIGHT (PCF)	MOISTURE CONTENT (%)	LCC	COMPACTION				
						TEST (%)	SPECIFICATION (%)	PASS	FAIL	
	<u>April 1, 2005</u>									
1	54'W of NEC of Parking Lot	1.5	138.5	7.7	A	98.3	95.0	X		
2	20'E of SWC	1.5	130.3	7.0	A	92.5	95.0	R		
3	60'SE of NWC	1.5	134.6	6.6	A	95.5	95.0	X		
4	Retest of Test 2	1.5	139.8	7.3	A	99.2	95.0	X		
5	Center of Parking Lot, N Side	1.5	135.7	6.5	A	96.3	95.0	X		
6	SEC of Parking Lot	1.5	133.0	6.6	A	94.4	95.0		X	
7	Retest of Test 6	1.5	135.4	6.8	A	96.1	95.0	X		
	<u>April 6, 2005</u>									
	Parking Lot:									
1	15'W of E End x 50'S of N End	1.5	135.0	4.4	A	95.8	95.0	X		
2	15'N of S Corner x 3'W of Parking Lot	2.5	133.8	5.1	A	95.0	95.0	X		
3	20'N of S Corner x 25'W of E Corner	1.0	136.0	5.7	A	96.5	95.0	X		
4	10'S of N Corner x 20'E of W Corner	0.0	136.7	5.7	A	97.0	95.0	X		

DEPTH/ELEVATION = DEPTH IN FEET BELOW FOOTING OR FINAL SUBGRADE OR EXPRESSED AS ELEVATION

COMMENTS

R = Recommended for acceptance.

LABORATORY COMPACTION CURVES

LCC	SOIL / MATERIAL DESCRIPTION	DRY UNIT WEIGHT (PCF)	MOISTURE CONTENT (%)	PROCEDURE
A	Crushed LIMESTONE, CA-6	140.9	5.8	ASTM 1557

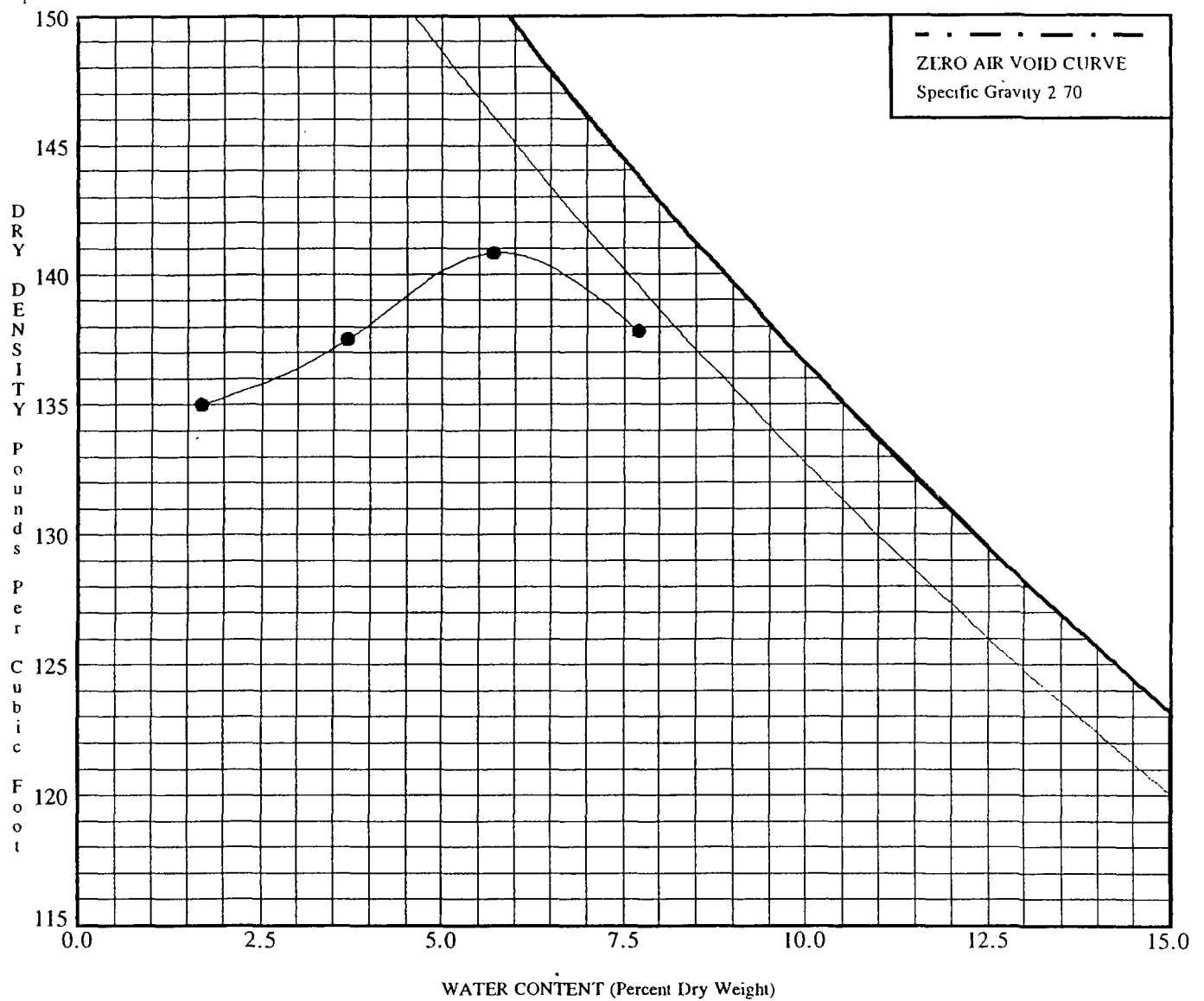
FIELD TEST PROCEDURE	MANUFACTURER / MODEL NUMBER	SERIAL NUMBER	MODE
Nuclear Gauge	Humboldt 5001 Troxler 3401-B	342 5203	8" Direct Transmission

FIELD TECHNICIAN

L. Miller/S. Shah

REVIEWED BY

V. Hovakimian

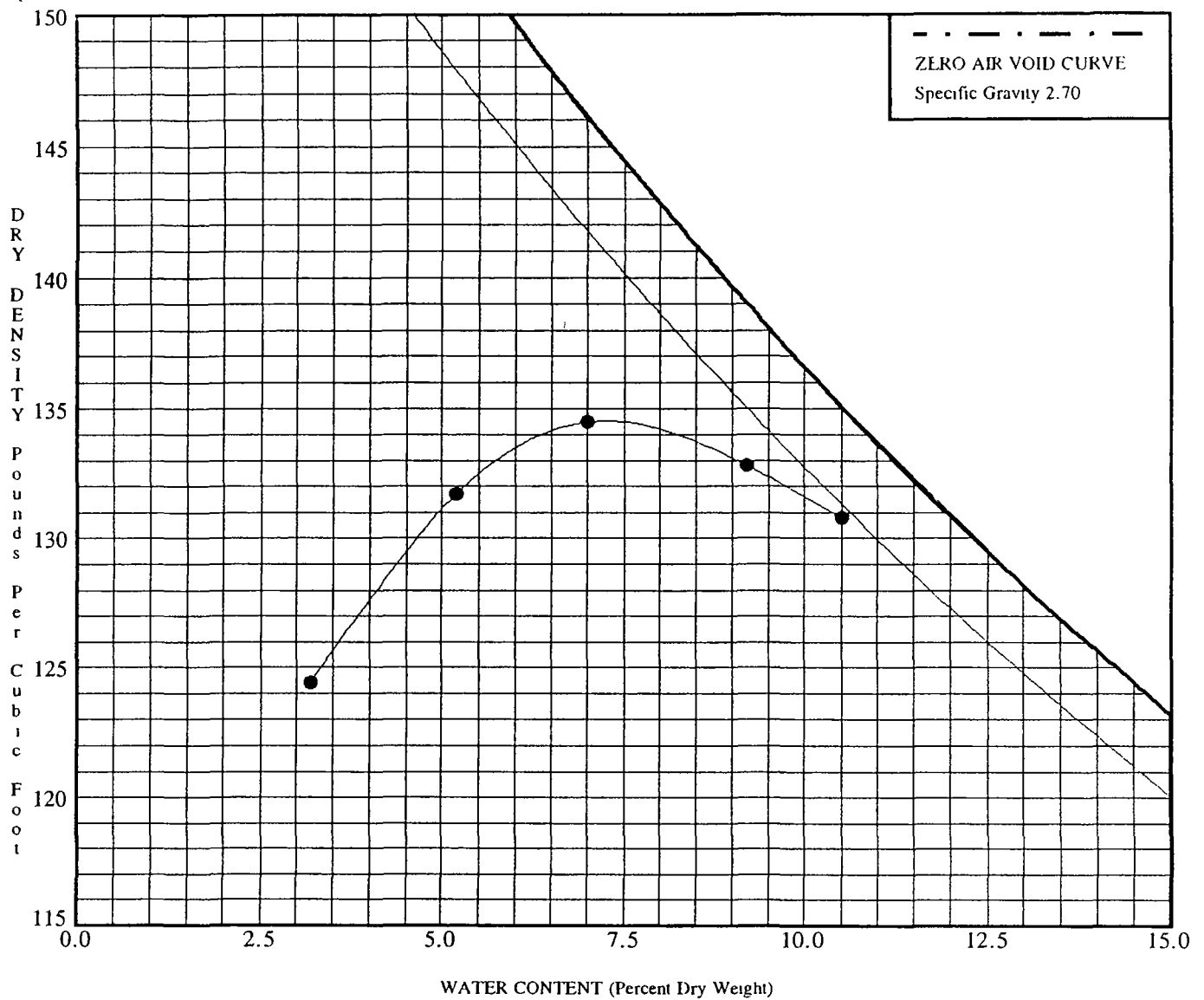


SPECIMEN IDENTIFICATION	CLASSIFICATION
	Crushed Limestone (CA-6)
MOISTURE/DENSITY RELATIONSHIP	NOTES :
<input type="checkbox"/> Standard ASTM D698/AASHTO T99	Date Completed: 3/8/05
<input checked="" type="checkbox"/> Modified ASTM D1557/AASHTO T180	
Maximum Dry Density (PCF) 140.9	
Optimum Water Content (%) 5.8	

PROJECT	Coke Project	JOB NO.	L-62,873-2160
LOCATION	Waukegan, Illinois	DATE	

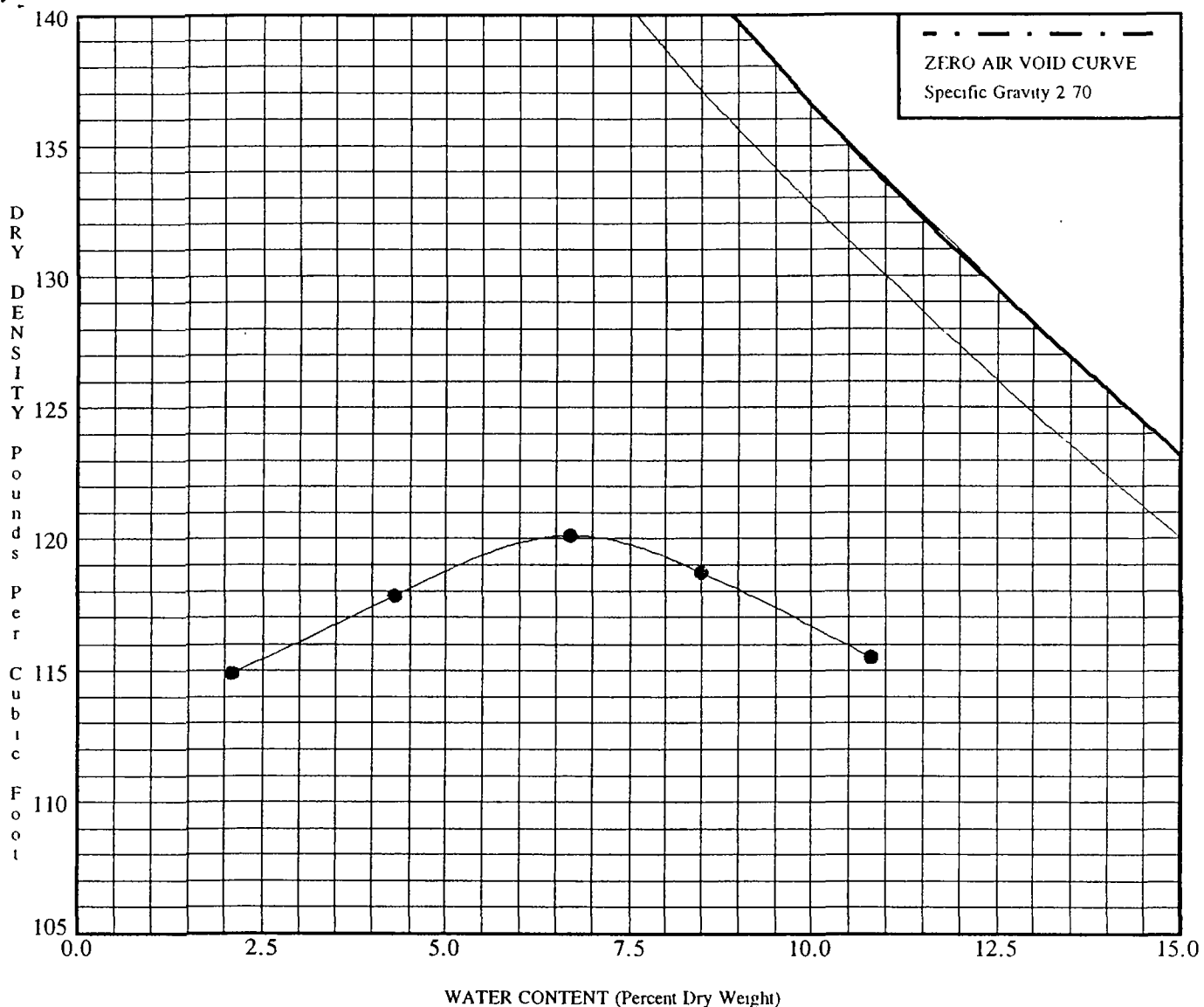
MOISTURE-DENSITY RELATIONSHIP

Testing Service Corporation
CAROL STREAM



SPECIMEN IDENTIFICATION	CLASSIFICATION
	Brown SAND & GRAVEL
MOISTURE/DENSITY RELATIONSHIP	NOTES :
Standard ASTM D698/AASHTO T99	Date Completed: 3/21/05
X Modified ASTM D1557/AASHTO T180	
Maximum Dry Density (PCF) 134.6	
Optimum Water Content (%) 7.3	

PROJECT	Coke Project	JOB NO.	L-62,873-2160
LOCATION	Waukegan, Illinois	DATE	
MOISTURE-DENSITY RELATIONSHIP Testing Service Corporation CAROL STREAM			



SPECIMEN IDENTIFICATION		CLASSIFICATION	
		Brown fine SAND	
MOISTURE/DENSITY RELATIONSHIP		NOTES :	
	Standard ASTM D698/AASHTO T99	Date Completed: 3/9/05	
X	Modified ASTM D1557/AASHTO T180		
Maximum Dry Density (PCF) . 120.2			
Optimum Water Content (%) 6.7			

PROJECT Coke Project JOB NO. L-62,873-2160
 LOCATION Waukegan, Illinois DATE _____

MOISTURE-DENSITY RELATIONSHIP

Testing Service Corporation
CAROL STREAM

**TESTING SERVICE CORPORATION***Local Offices:*

457 E Gundersen Drive, Carol Stream, IL 60188-2492
630 653 3920 • Fax 630 653 2726

209 Cleveland Street, Suite C, Cary, IL 60013-2978
847.516 0505 • Fax 847 516 0527

401 N Riverside Drive, Suite 24, Gurnee, IL 60031-5914
847.249 6040 • Fax 847 249.6042

203 Earl Road, Suite A, Shorewood, IL 60431-9446
815.744.1510 • Fax 815.744.1728

8201 W 183RD Street, Suite C, Tinley Park, IL 60477-9249
708 429 2080 • Fax 708 429 2144

Rec'd CRA

JUN 09 2005

Gurnee, Illinois

June 6, 2005

Mr. Tim Leo
Conestoga-Rovers & Associates, Inc
8615 West Bryn Mawr Avenue
Chicago, Illinois 60631

Re L-62,873-2160
Report 2
Coke Project
Waukegan, Illinois
PO 10-000627

Dear Mr. Leo.

The following services have been provided in connection with the referenced project.

April	27, 2005	J Turner	Technician Services	4.00 hours*
May	4, 2005	J. Turner	Technician Services	8.00 hours*
May	16, 2005	J Turner	Work Canceled	4.00 hours
May	17, 2005	J. Turner	Technician Services	4 00 hours*
May	19, 2005	J Turner	Technician Services	4.00 hours
May	27, 2005	V. Hovakimian	Report Preparation	1.00 hour

*Use of Nuclear Density Equipment
(2) Laboratory Compaction Curves

Compaction Control

In-place density tests were performed on Crushed Limestone (CA-6) that was placed for the parking lot for the depths and locations shown on Percent Compaction Report.

Based on the ASTM D 1557 (Modified) laboratory procedure, the percent compaction values met the specification requirement of 95 percent. The percent compaction data are included with this correspondence.

Also, in-place density tests were performed on fine sand that was placed for future area north of the parking lot. Based on the ASTM D 1557 (Modified) laboratory procedure, the percent compaction values ranged from 86.7 to 97.6 percent. The percent compaction data are included with this correspondence.

Conestoga-Rovers & Associates, Inc.
L - 62, 873-2160 - June 6, 2005

Also, included with this correspondence are copies of the laboratory compaction curves for the following materials.

Soil Description	ASTM Procedure	Maximum Dry Density(PCF)	Optimum Water Content(%)
Dark brown SAND, trace gravel	D 1557	109.3	10.5
Brown fine SAND	D 1557	106.2	7.3

Please call if there are any questions.

Respectfully submitted,

TESTING SERVICE CORPORATION

Prepared by,



Ali A. Bagherian, P.E.
Gurnee Branch Manager



Vahan Hovakimian, E.I.

AAB:VH:km
Enc. 5 Pages



TESTING SERVICE CORPORATION

EAST GUNDERSEN DR CAROL STREAM, ILLINOIS 60188-2492 FAX (630) 653-2726 TEL (630) 653-3920

Client **Conestoga-Rovers & Associates, Inc.**
2055 Niagara Falls Boulevard Suite 3
Niagara Falls, NY 14304

PERCENT COMPACTION REPORT

Date Tested
4/27/05
Job Number
62873
Page Number
1 of 1

Project **COKE PROJECT**

PO 10-000627 WAUKEGAN, IL

Field Data

Test #	Location	Depth/ Elevation	γ Dry	Moisture %	LCC	Compaction		
						Test (%)	Spec. (%)	Grade
	North Parking Lot							
1	East End	0 0	137 9	4 1	A	97 9	95 0	P
2	Middle	0 0	137 4	4 4	A	97 5	95 0	P
3	West End	0 0	137 5	4 4	A	97 6	95.0	P
4	Area N of Parking Lot	2 0	93 5	6 9	B	88 0	95 0	F
5	Area N of Parking Lot	2 0	92 1	7 3	B	86 7	95 0	F
6	Area N of Parking Lot	2 0	92 4	7 2	B	87 0	95 0	F

Depth/Elevation = Depth in Feet below footing or final subgrade or expressed as elevation

Comments

Laboratory Compaction Curves

LCC	Soil/Material Description	γ dry	Moisture (%)	Procedure
A	CA-6 Crushed LIMESTONE	140 9	5 8	MOD
B	Brown fine SAND	106.2	7 3	MOD

Field Test Procedure	Manufacturer/Model #	Serial #	Mode
NUCLEAR	Troxler 3401	16029	Backscatter
			Direct

Field Technician	Description of Codes Used
------------------	---------------------------

J. Turner

Reviewed By

V. Hovakimian

STD = ASSHTO T99 MOD = ASTM D1557
P = MEETS PROJECT SPECIFICATION
R = RECOMMEND FOR ACCEPTANCE
F = DOES NOT MEET PROJECT SPECIFICATION REQUIREMENTS



TESTING SERVICE CORPORATION

457 EAST GUNDERSEN DR CAROL STREAM, ILLINOIS 60188-2492 FAX (630) 653-2726 TEL (630) 653-3920

Client **Conestoga-Rovers & Associates, Inc.**
2055 Niagara Falls Boulevard Suite 3
Niagara Falls, NY 14304

PERCENT COMPACTION REPORT

Date Tested
5/4/05
Job Number
62873
Page Number
1 of 1

Project **COKE PROJECT**
PO 10-000627 WAUKEGAN, IL

Test #	Location	Field Data		Moisture %	LCC	Compaction		
		Depth/ Elevation	γ Dry			Test (%)	Spec. (%)	Grade
1	Refer to Map	3 0	103 7	7.1	C	94 9	95.0	R
2	" "	3 0	105 6	7 2	C	96 6	95 0	P
3	" "	3.0	106 7	7.3	C	97 6	95 0	P
4	" "	3 0	106 5	9 8	C	97 4	95 0	P
5	" "	3 0	106 4	7 3	C	97 3	95.0	P
6	" "	3 0	103 7	6 1	C	94 9	95 0	R
7	" "	3 0	106 3	7 4	C	97 3	95.0	P
8	" "	3 0	103 8	6 4	C	95 0	95 0	P
9								
10	" "	3 0	105 3	7 4	C	96 3	95 0	P
11	" "	2 0	105 9	5 8	C	96 9	95 0	P
12	" "	1 0	104 8	6.1	C	95.9	95 0	P
13	" "	2 0	105 8	6 4	C	96 8	95.0	P
14	" "	2.0	106.1	3.8	C	97 1	95 0	P
15	" "	3 0	105 3	4 6	C	96 3	95 0	P
16	" "	3 0	106 2	4 3	C	97 2	95 0	P
17	" "	3 0	106 6	4 4	C	97 5	95 0	P
18	" "	3 0	106 0	4 7	C	97 0	95 0	P
19	" "	3 0	105 1	5 6	C	96 1	95 0	P
20	" "	3 0	105.6	4 7	C	96 6	95.0	P

Depth/Elevation = Depth in Feet below footing or final subgrade or expressed as elevation

Comments

Laboratory Compaction Curves

LCC	Soil/Material Description	γ dry	Moisture (%)	Procedure
C	Dark brown SAND, trace gravel	109 3	10 5	MOD

Field Test Procedure	Manufacturer/Model #	Serial #	Mode
NUCLEAR	Troxler 3401	18105	Backscatter.
			Direct Yes

Field Technician	Description of Codes Used
J. Turner	STD = ASSHTO T99 MOD = ASTM D1557
Reviewed By	P = MEETS PROJECT SPECIFICATION
V. Hovakimian	R = RECOMMEND FOR ACCEPTANCE
	F = DOES NOT MEET PROJECT SPECIFICATION REQUIREMENTS



TESTING SERVICE CORPORATION

77 EAST GUNDERSEN DR CAROL STREAM, ILLINOIS 60188-2492 FAX (630) 653-2726 TEL (630) 653-3920

Client **Conestoga-Rovers & Associates, Inc.**
2055 Niagara Falls Boulevard Suite 3
Niagara Falls, NY 14304

PERCENT COMPACTION REPORT

Date Tested
5/17/05
Job Number
62873
Page Number
1 of 1

Project **COKE PROJECT**
PO 10-000627 WAUKEGAN, IL

Test #	Location	Field Data				Compaction		
		Depth/ Elevation	γ Dry	Moisture %	LCC	Test (%)	Spec. (%)	Grade
1	Refer to Map	2 0	100 8	5 3	B	94.9	95 0	F
2	" "	2 0	92 8	6 4	B	87 4	95 0	F
3	" "	2 0	94 7	6 7	B	89 2	95 0	F

Depth/Elevation = Depth in Feet below footing or final subgrade or expressed as elevation

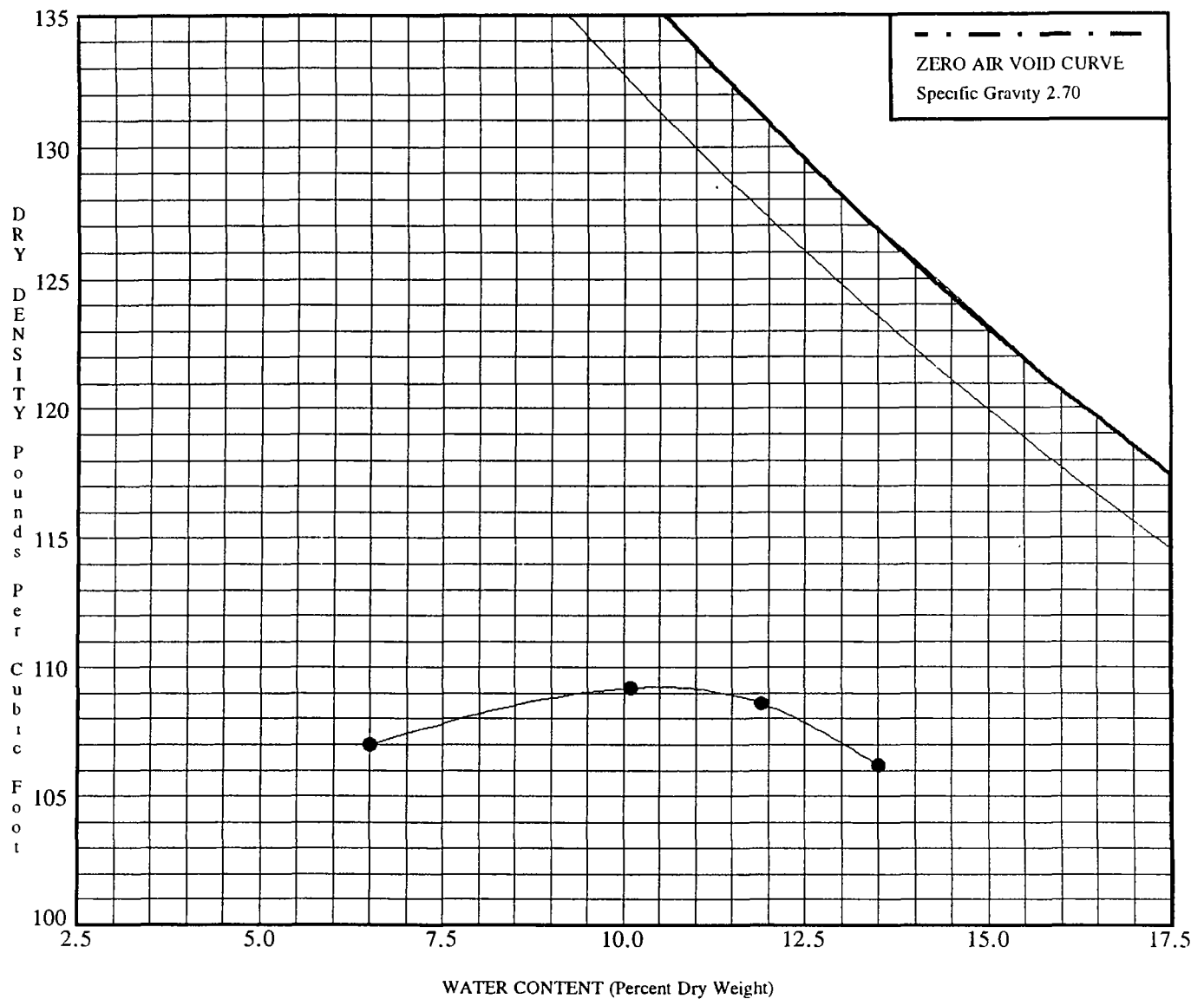
Comments

Laboratory Compaction Curves

LCC	Soil/Material Description	γ dry	Moisture (%)	Procedure
B	Brown fine SAND	106 2	7 3	MOD

Field Test Procedure	Manufacturer/Model #	Serial #	Mode
NUCLEAR	Troxler 3401	12436	Backscatter Direct

Field Technician	Description of Codes Used
J. Turner	STD = ASSHTO T99 MOD = ASTM D1557 P = MEETS PROJECT SPECIFICATION R = RECOMMEND FOR ACCEPTANCE F = DOES NOT MEET PROJECT SPECIFICATION REQUIREMENTS
Reviewed By V. Hovakimian	



SPECIMEN IDENTIFICATION		CLASSIFICATION	
		Dark brown SAND trace gravel (SP)	
MOISTURE/DENSITY RELATIONSHIP		NOTES :	
	Standard ASTM D698/AASHTO T99	Date Completed: 4/30/05	
X	Modified ASTM D1557/AASHTO T180		
Maximum Dry Density (PCF) 109.3			
Optimum Water Content (%) 10.5			

PROJECT	<u>Coke Project</u>	JOB NO.	<u>L-62,873-2160</u>
LOCATION	<u>Waukegan, Illinois</u>	DATE	

MOISTURE-DENSITY RELATIONSHIP

Testing Service Corporation
CAROL STREAM



TESTING SERVICE CORPORATION

Rec'd CRA

JUL 08 2005

Local Offices:

457 E. Gundersen Drive, Carol Stream, IL 60188-2492
630.653.3920 • Fax 630.653.2726

209 Cleveland Street, Suite C, Cary, IL 60013-2978
847.516.0505 • Fax 847.516.0527

401 N. Riverside Drive, Suite 24, Gurnee, IL 60031-5914
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203 Earl Road, Suite A, Shorewood, IL 60431-9446
815.744.1510 • Fax 815.744.1728

8201 W 183RD Street, Suite C, Tinley Park, IL 60477-9249
708.429.2080 • Fax 708.429.2144

Gurnee, Illinois

July 5, 2005

Mr. Tim Leo
Conestoga-Rovers & Associates, Inc.
8615 West Bryn Mawr Avenue
Chicago, Illinois 60631

Re: L-62, 873-2160
Report 3
Coke Project
Waukegan, Illinois
P O 10-000627

Dear Mr. Leo:

The following services have been provided in connection with the referenced project.

May 26, 2005	S. Page	Technician Services	7.00 hours*
May 31, 2005	S. Page	Technician Services	4.00 hours
June 1, 2005	S. Page	Technician Services	6.25 hours*
June 6, 2005	S. Page	Technician Services	4.00 hours*
June 7, 2005	S. Shah	Technician Services	4.00 hours*
June 10, 2005	S. Page	Technician Services	4.00 hours*
June 14, 2005	S. Page	Technician Services	5.50 hours*
June 29, 2005	V. Hovakimian	Report Preparation	1.95 hours

*Use of Nuclear Density Equipment

Compaction Control

In-place density tests were performed on brown fine sand that was placed for future area north of the parking lot as shown on Percent Compaction Report.

Conestoga-Rovers & Associates, Inc.
L - 62, 873-2160 - July 5, 2005

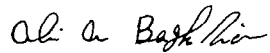
Based on the ASTM D 1557 (Modified) laboratory procedure, the percent compaction values ranged from 90.3 to 100 percent. The percent compaction data and location map are included with this correspondence.

Please call if there are any questions.

Respectfully submitted,

TESTING SERVICE CORPORATION

Prepared by,



Ali A. Bagherian, P.E.
Gurnee Branch Manager



Vahan Hovakimian, E.I.

AAB:VH:lz
Enc. 17 Pages



TESTING SERVICE CORPORATION

AST GUNDERSEN DR. CAROL STREAM, ILLINOIS 60188-2492 FAX. (630) 653-2726 TEL. (630) 653-3920

Client: Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Boulevard Suite 3

Niagara Falls, NY 14304

PERCENT COMPACTION REPORT

Date Tested
5/26/05
Job Number
62873
Page Number
1 of 1

Project: COKE PROJECT

PO 10-000627 WAUKEGAN, IL

Field Data								
Test #	Location	Depth/ Elevation	γ Dry	Moisture %	LCC	Compaction		
						Test (%)	Spec. (%)	Grade
1	See enclosed Map "A"	1.5	108.5	6.4	B	100+	95.0	P
2	" " "	2.5	102.2	10.9	B	96.2	95.0	P
3	" " "	1.5	107.7	4.5	B	100+	95.0	P
4	See enclosed Map "B"	1.5	106.2	5.5	B	100+	95.0	P
5	" " "	2.5	95.9	11.3	B	90.3	95.0	F
6	" " "	1.5	102.5	5.2	B	96.5	95.0	P
7	" " "	1.5	100.4	3.9	B	94.5	95.0	R
8	" " "	1.5	101.6	6.1	B	95.7	95.0	P
9	" " "	1.5	101.6	6.0	B	95.7	95.0	P
10	" " "	1.5	100.6	4.1	B	94.7	95.0	R
11	" " "	1.5	98.8	4.6	B	93.0	95.0	F
12	" " "	1.5	96.8	5.4	B	91.1	95.0	F
13	" " "	1.5	100.4	5.9	B	94.5	95.0	R
14	" " "	1.5	96.0	4.7	B	90.4	95.0	F
15	" " "	1.5	100.9	5.7	B	95.0	95.0	P
16	" " "	1.5	100.6	6.2	B	94.7	95.0	R
17	" " "	1.5	99.2	5.1	B	93.4	95.0	F
18	" " "	1.5	98.0	5.7	B	92.3	95.0	F
19	" " "	1.5	102.5	10.1	B	96.5	95.0	P
20	" " "	1.5	101.7	5.7	B	95.8	95.0	P
21	" " "	1.5	102.9	7.4	B	96.9	95.0	P
22	" " "	1.5	99.6	8.7	B	93.8	95.0	F
23	" " "	1.5	106.3	4.1	B	100+	95.0	P

Depth/Elevation = Depth in Feet below footing or final subgrade or expressed as elevation

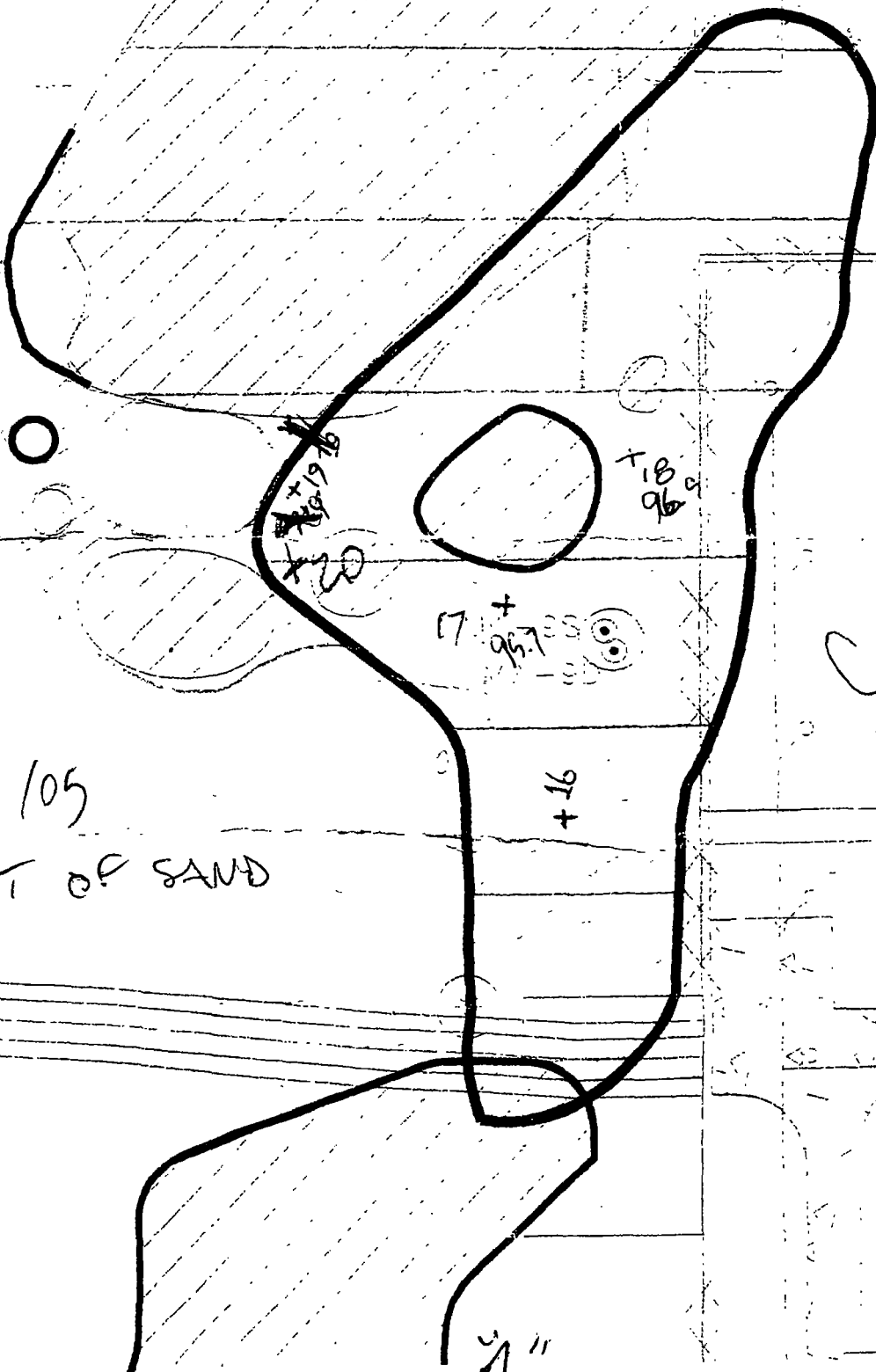
Comments

Laboratory Compaction Curves

LCC	Soil Material Description	γ Dry	Moisture (%)	Proctor
B	Brown fine SAND	106.2	7.3	MOD.

Field Test Procedure	Manufacturer/Model#	Serial #	Mode
NUCLEAR	Troxler 3430	28916	Backscatter
Field Technician	Description of Codes Used		
S. Page	STD = ASSHTO T99 MOD = ASTM D1557		
Reviewed By	P = MEETS PROJECT SPECIFICATION		
V. Hovakimian	R = RECOMMEND FOR ACCEPTANCE		
	F = DOES NOT MEET PROJECT SPECIFICATION REQUIREMENTS		

6/26/05



MAY 26 / 05

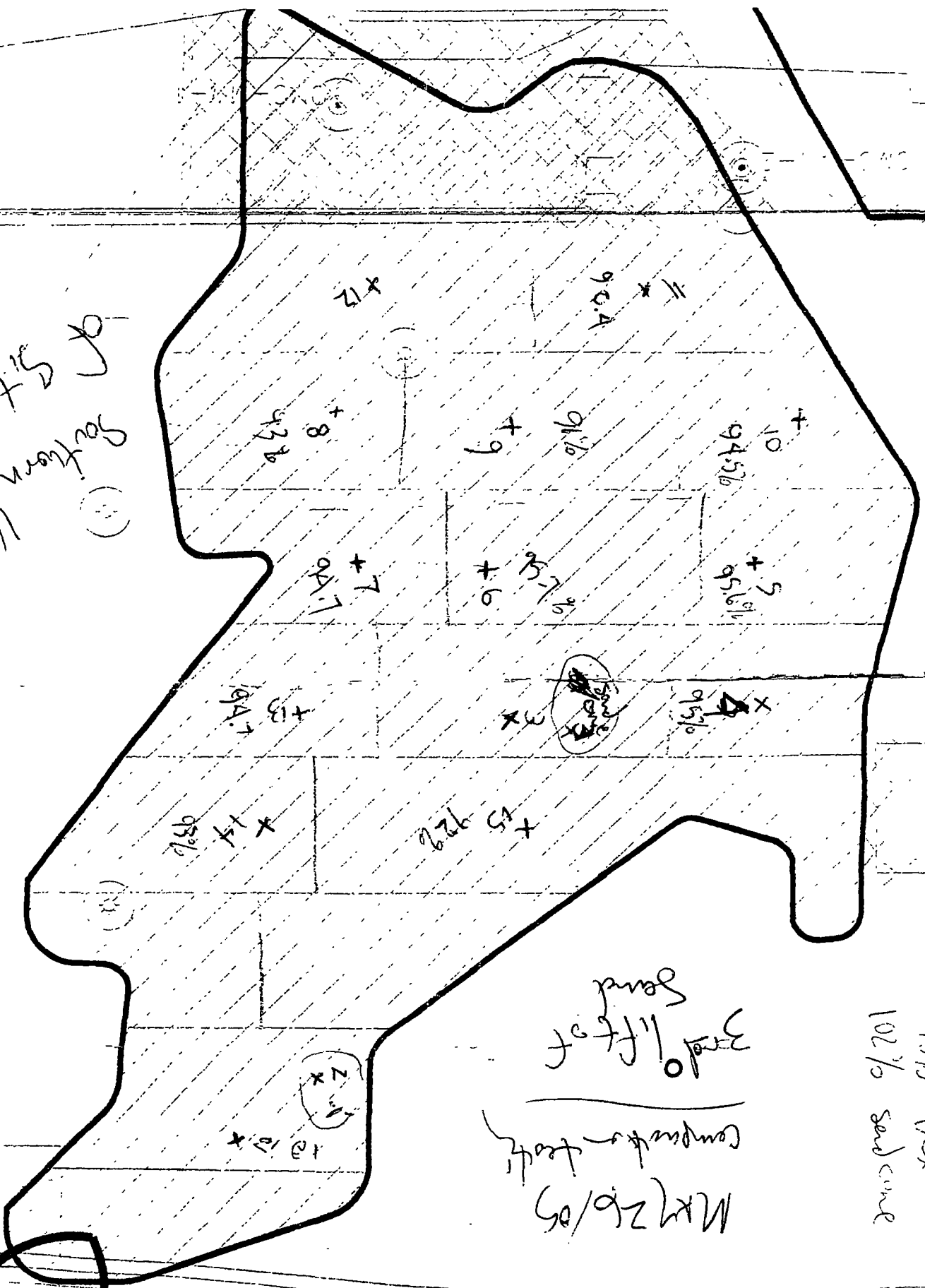
1ST LIFT OF SAND

Central
1/3 of
Site

A"

"B"

of site
Southern 1/3



3rd lift of
Sand
102% sand cone
MK 26/05
Computer draft

6-26-05



TESTING SERVICE CORPORATION

457 EAST GUNDERSEN DR CAROL STREAM, ILLINOIS 60188-2492 FAX (630) 653-2726 TEL (630) 653-3920

Client: **Conestoga-Rovers & Associates, Inc.**
2055 Niagara Falls Boulevard Suite 3
Niagara Falls, NY 14304

PERCENT COMPACTION REPORT

Date Tested
6/1/05
Job Name
62873
Page Number
1 of 1

Project: **COKE PROJECT**

PO 10-000627 WAUKEGAN, IL

Test #	Location	Field Data		Moisture %	LCC	Compaction		Grade
		Depth/ Elevation	γ Dry			Test (%)	Spec. (%)	
1	See enclosed Map "A"	2.5	113.5	5.0	B	100+	95.0	P
2	" " "	2.5	112.0	3.1	B	100+	95.0	P
3	" " "	2.5	105.0	5.9	B	98.9	95.0	P
4	" " "	2.5	97.3	4.4	B	91.6	95.0	F
5	See enclosed Map "B"	2.5	101.8	6.8	B	95.9	95.0	P
6	" " "	2.5	113.1	9.1	B	100+	95.0	P
7	" " "	2.5	111.4	7.4	B	100+	95.0	P
8	" " "	2.5	112.3	11.1	B	100+	95.0	P
9	" " "	2.5	103.4	11.5	B	97.4	95.0	P

Depth/Elevation = Depth in Feet below footing or final subgrade or expressed as elevation

Comments

Note: Tests 1 through 4 with sand cone. Tests 5 through 9 with nuclear gauge.

Laboratory Compaction Curves

LCC	Soil/Material Description	γ Dry	Moisture %	Procedure
B	Brown fine SAND	106.2	7.3	MOD.

Field Test Procedure	Manufacturer/Model #	Serial #	Mode
NUCLEAR	Troxler 3430	28916	Backscatter:
			Direct: Yes

Field Technician	Description of Codes Used
S. Page	STD = ASSHTO T99 MOD = ASTM D1557
Reviewed By:	P = MEETS PROJECT SPECIFICATION
V. Hovakimian	R = RECOMMEND FOR ACCEPTANCE
	F = DOES NOT MEET PROJECT SPECIFICATION REQUIREMENTS

11th
down

2nd pass
100+90
100+90
2-1

+ 2
x - 2

+ 2 100+90
2-3 left
Sand cone

2nd pass
100+90
100+90
2-1

June 1, 2005

$$250 \times 500 \times 1 = 125000$$

6/1/05

Map

B

MW-7D
MW-7S

91%
#9

105%

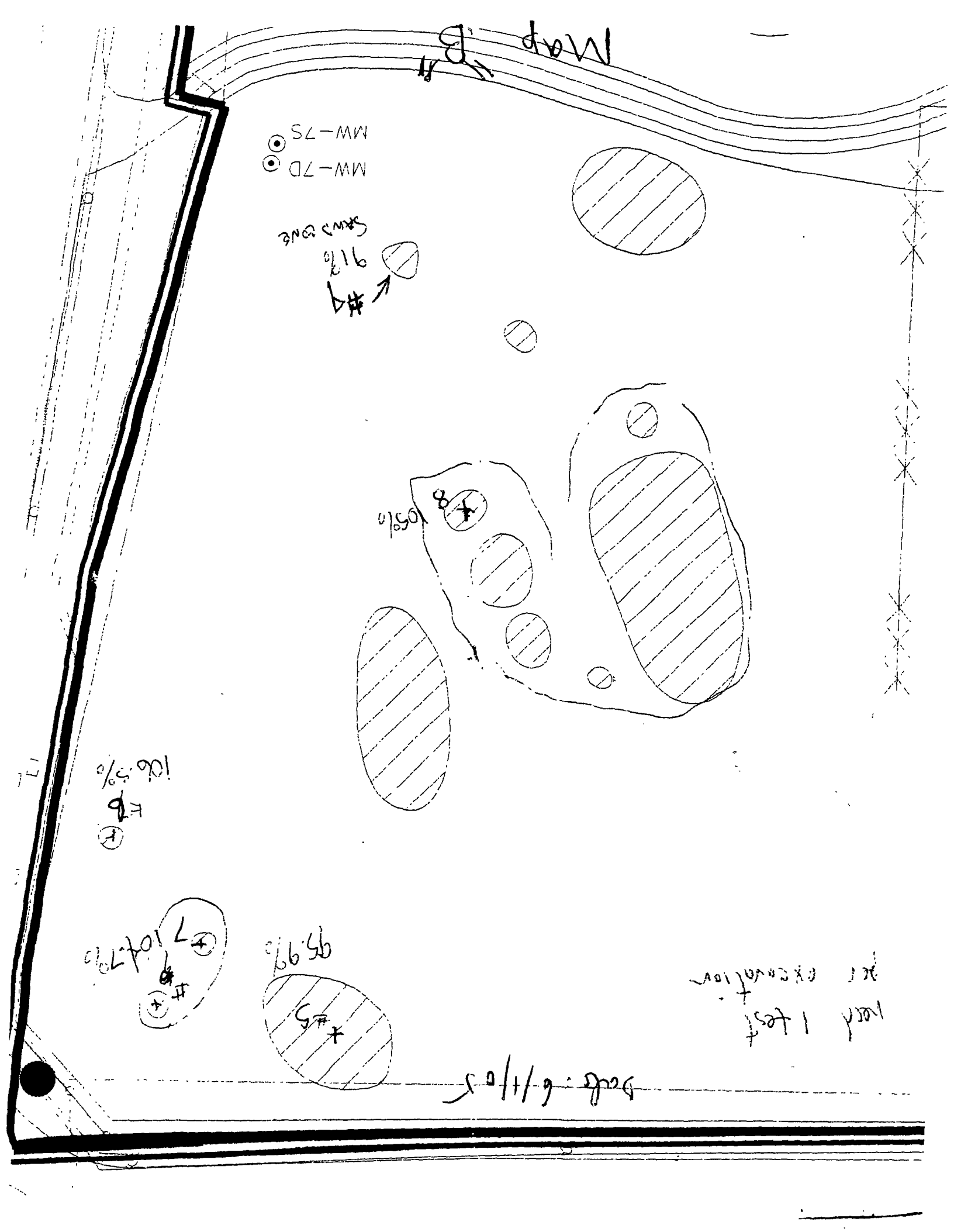
106.5%
#6

104.7%
#7

95.9%
#5

Deeds - 6/1/05

last 1 test
per excavation



6/11/05

need 2 tests

97.9%
#49
0-1.5%

-95

-8



#3

98.9%

Map B



TESTING SERVICE CORPORATION

457 EAST GUNDERSEN DR. CAROL STREAM, ILLINOIS 60188-2492 FAX (630) 653-2726 TEL (630) 653-3920

Client: **Conestoga-Rovers & Associates, Inc.**
2055 Niagara Falls Boulevard Suite 3
Niagara Falls, NY 14304

PERCENT COMPACTION REPORT

Date Issued
6/6/05
Job Number
62873
Page Number
1 of 1

Project: **COKE PROJECT**

PO 10-000627 WAUKEGAN, IL

Field Data								
Test #	Location	Depth/ Elevation	γ Dry	Moisture %	LCC	Compaction		
						Test (%)	Spec. (%)	Grade
1	See enclosed Map "A"	1 0	118.0	7.9	B	100+	95.0	P
2	" " "	1 0	101.2	6.6	B	95.3	95.0	P
3	" " "	1 0	100.8	4.4	B	94.9	95.0	R
4	" " "	1 0	102.0	6.0	B	96.0	95.0	P
5	" " "	1.0	101.2	5.3	B	95.3	95.0	P
6	" " "	1 0	101.5	4.1	B	95.6	95.0	P
7	" " "	1 0	100.8	4.6	B	94.9	95.0	R
8	" " "	1 0	103.7	4.2	B	97.6	95.0	P
9	" " "	1.0	101.3	4.1	B	95.4	95.0	P
10	" " "	1 0	111.7	3.4	B	100+	95.0	P

Depth/Elevation = Depth in Feet below footing or final subgrade or expressed as elevation

Comments

Laboratory Compaction Curves

LCC	Soil/Material Description	dry	Moisture (%)	Program
B	Brown fine SAND	106.2	7.3	MOD.

Field Test Procedure	Manufacturer/Model #	Serial #	Mode
NUCLEAR	Troxler 3430	28916	Backscatter
			Direct
			Yes

Field Technician	Description of Codes Used
S. Page	STD = ASSHTO T99 MOD = ASTM D1557
Reviewed By	P = MEETS PROJECT SPECIFICATION
	R = RECOMMEND FOR ACCEPTANCE
V. Hovakimian	F = DOES NOT MEET PROJECT SPECIFICATION REQUIREMENTS

6/6/05

June 6, 2005
Compaction Test locations

PW 1

+1
100.4%

+2
95.3%

+3
94.9%

+4
96%

+5
95.3%

+6
95.5%

+8
97.6%

+7
94.9%

+9
95.4%

+10
105.2%

CMC-MW-2

"A"

"A"



TESTING SERVICE CORPORATION

457 EAST GUNDERSEN DR CAROL STREAM, ILLINOIS 60188-2492 FAX (630) 653-2726 TEL (630) 653-3920

Client: **Conestoga-Rovers & Associates, Inc.**
2055 Niagara Falls Boulevard Suite 3
Niagara Falls, NY 14304

PERCENT COMPACTION REPORT

Date Tested
6/7/05
Job Number
62873
Page Number
1 of 1

Project: **COKE PROJECT**

PO 10-000627 WAUKEGAN, IL

Test #	Location	Field Data				Compaction		
		Depth/ Elevation	γ Dry	Moisture %	LCC	Test (%)	Spec. (%)	Grade
1	Middle Third of Site, N End	1 0	102.2	5.3	B	96.2	95.0	P
2	Middle Third of Site, S End	1.0	100.7	9.9	B	94.8	95.0	R
3	South of Excess Road	2.0	99.5	9.8	B	93.7	95.0	R
4	North Third of Site	1 0	105.6	8.9	B	99.4	95.0	P

Depth/Elevation = Depth in Feet below footing or final subgrade or expressed as elevation

Comments

Laboratory Compaction Curves

LCC	Soil Material Description	γ_{max}	Moisture (%)	Procedure
B	Brown fine SAND	106.2	7.3	MOD.

Field Test Provider	Manufacturer/Model #	Serial #	Method	
NUCLEAR	Troxler 3430	28916	Backscatter.	
			Direct.	Yes
Field Technician	Description of Codes Used			
S. Shah	STD = ASSHTO T99 MOD = ASTM D1557			
Reviewed By	P = MEETS PROJECT SPECIFICATION			
V. Hovakimian	R = RECOMMEND FOR ACCEPTANCE			
	F = DOES NOT MEET PROJECT SPECIFICATION REQUIREMENTS			



PERCENT COMPACTION REPORT

TESTING SERVICE CORPORATION

AST GUNDERSEN DR. CAROL STREAM, ILLINOIS 60188-2492 FAX (630) 653-2726 TEL (630) 653-3920

Client: **Conestoga-Rovers & Associates, Inc.**
2055 Niagara Falls Boulevard Suite 3
Niagara Falls, NY 14304

Date Tested
6/10/05
Job Number
62873
Page Number
1 of 1

Project: **COKE PROJECT**

PO 10-000627 WAUKEGAN, IL

Field Data								
Test #	Location	Depth/ Elevation	γ Dry	Moisture %	LCC	Compaction		
						Test (%)	Spec. (%)	Grade
1	See enclosed Map "A"	1 0	103.5	7.4	B	97.5	95.0	P
2	" " "	1 0	100.7	13.1	B	94.8	95.0	R
3	" " "	1 0	100.8	6.7	B	94.9	95.0	R
4	" " "	1 0	101.1	6.2	B	95.2	95.0	P
5	" " "	1 0	102.8	6.7	B	96.8	95.0	P
6	" " "	1 0	101.4	8.4	B	95.5	95.0	P
7	" " "	1 0	111.7	6.2	B	100+	95.0	P

Depth/Elevation = Depth in Feet below footing or final subgrade or expressed as elevation

Comments

Laboratory Compaction Curves

LCC	Soil/Material Description	Moisture (%)	Procedures
B	Brown fine SAND	106.2	7.3 MOD.

Field Test Procedure	Manufacturer/Model	Serial No.	Backscatter	Direct
NUCLEAR	Troxler 3430	28916		

Field Technician	Description of Codes Used
S. Page	STD = ASSHTO T99 MOD = ASTM D1557
Reviewed By:	P = MEETS PROJECT SPECIFICATION
V. Hovakimian	R = RECOMMEND FOR ACCEPTANCE
	F = DOES NOT MEET PROJECT SPECIFICATION REQUIREMENTS

6/10/05

June 10/05
1-2' lift

⊕ $\frac{7}{105\%}$

⊕ $\frac{1A}{94.2}$

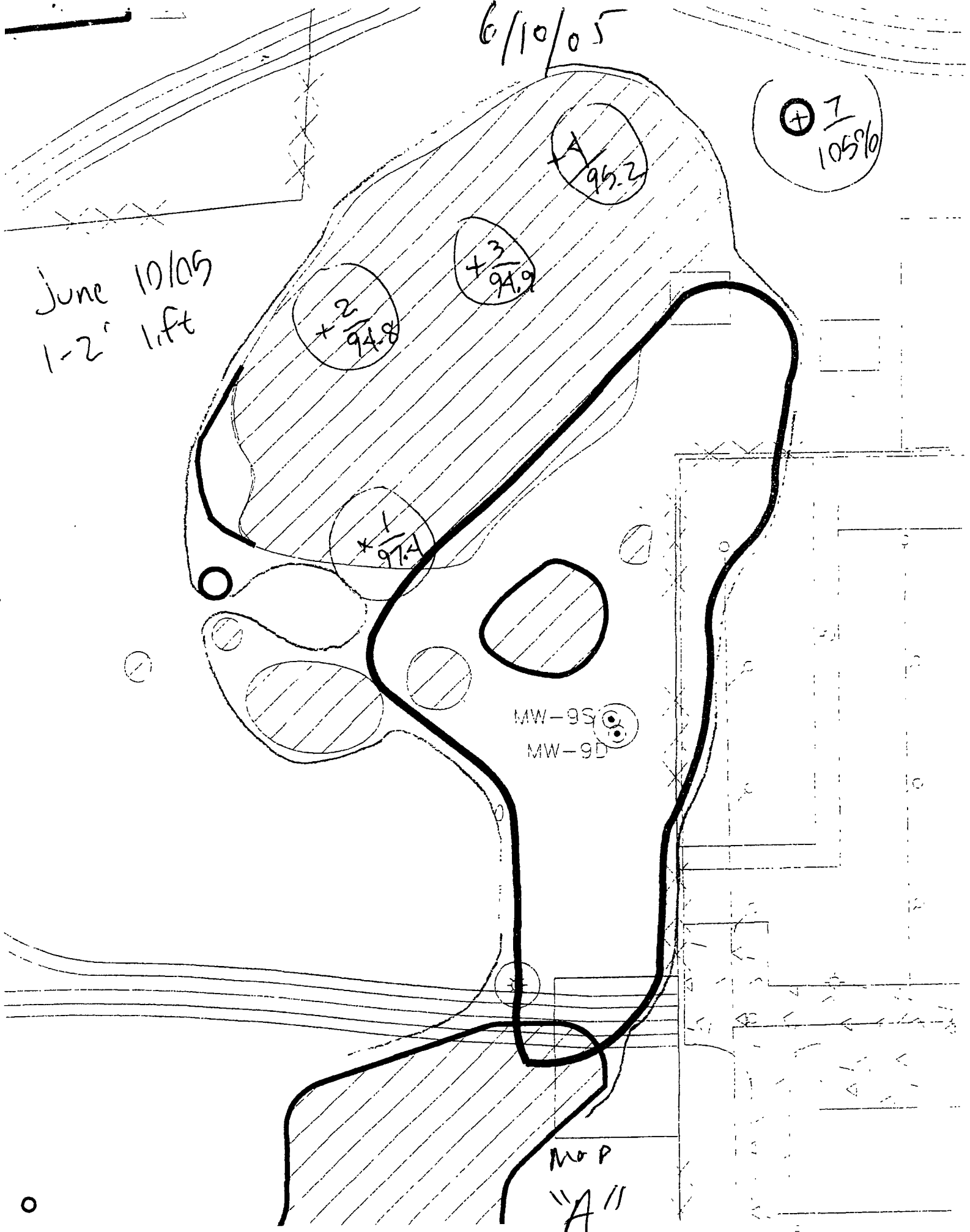
⊕ $\frac{+3}{94.9}$

⊕ $\frac{+2}{94.8}$

⊕ $\frac{*1}{97.4}$

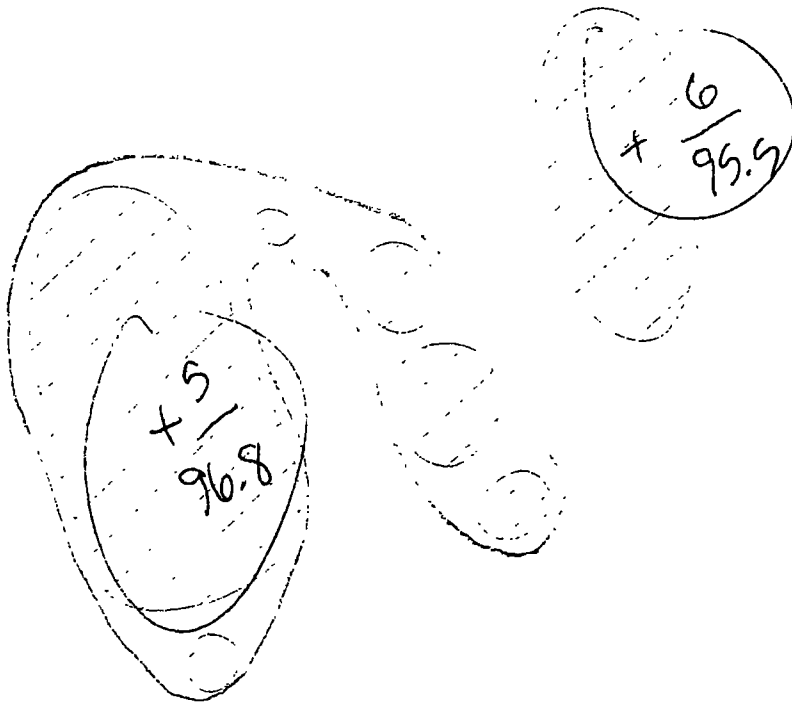
MW-9S
MW-9D

Mo P
"A"



6-10-05

June 10/05



Map "A"



TESTING SERVICE CORPORATION

457 EAST GUNDERSEN DR CAROL STREAM, ILLINOIS 60188-2492 FAX (630) 653-2726 TEL (630) 653-3920

Client: Conestoga-Rovers & Associates, Inc.
2055 Niagara Falls Boulevard Suite 3
Niagara Falls, NY 14304

PERCENT COMPACTION REPORT

Date Tested
6/14/05
Job Number
62873
Page Number
1 of 1

Project: COKE PROJECT

PO 10-000627 WAUKEGAN, IL

Test #	Location	Field Data				Compaction		
		Depth/ Elevation	γ Dry	Moisture %	LCC	Test (%)	Spec. (%)	Grade
1	See enclosed Map "A"	0.0	104.6	5.1	B	98.5	95.0	P
2	" " "	0.0	110.5	8.9	B	100+	95.0	P
3	" " "	0.0	104.8	2.4	B	98.7	95.0	P
4	" " "	0.0	94.0	8.7	B	88.5	95.0	F
5	" " "	0.0	106.5	3.5	B	100+	95.0	P
6	" " "	0.0	103.0	3.7	B	97.0	95.0	P
7	" " "	0.0	106.2	9.7	B	100+	95.0	P
8	" " "	0.0	103.3	7.2	B	97.3	95.0	P

Depth/Elevation = Depth in Feet below footing or final subgrade or expressed as elevation

Comments

Note: Tests 1 through 5 with sand cone; Tests 6 through 8 with nuclear gauge.

Laboratory Compaction Curves				
LCC	Soil Material Description	γ Dry	Moisture (%)	Procedure
B	Brown fine SAND	106.2	7.3	MOD.

Field Test Procedure	Manufacturer/Model #	Serial #	Mode
NUCLEAR	Troxler 3430	28916	Backscatter
			Direct: Yes

Field Technician	Description of Codes Used
S. Page	STD = ASSHTO T99 MOD = ASTM D1557
Reviewed By:	P = MEETS PROJECT SPECIFICATION
V. Hovakimian	R = RECOMMEND FOR ACCEPTANCE
	F = DOES NOT MEET PROJECT SPECIFICATION REQUIREMENTS

6-14-05

June 14

#1 Contour
+ 98.7

3
+ 97.3

* 2 Cont
104.9%

MW-9S

MW-9D

2
+ 100.4

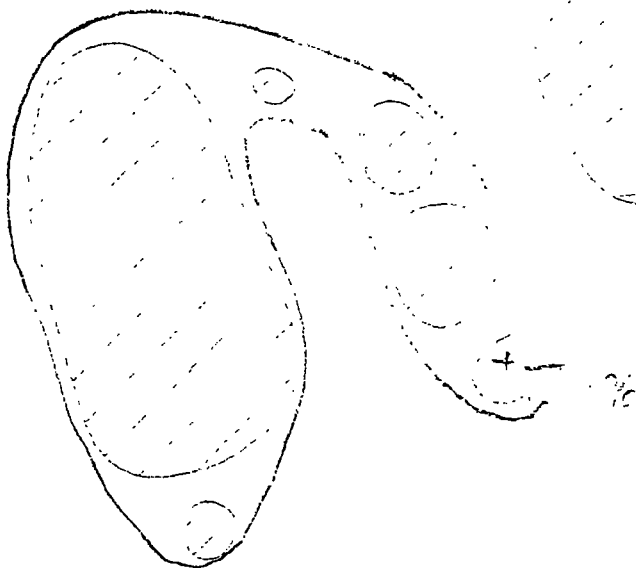
1
+ 97.9%

map
11

6/14/05

COMPACTION TEST RESULTS
WILKIE AVE CORNER ONE

JUNE 14, 2005



Hand core
+ 88.5%

Hand core
+ 100%

map

A //

6-14-05

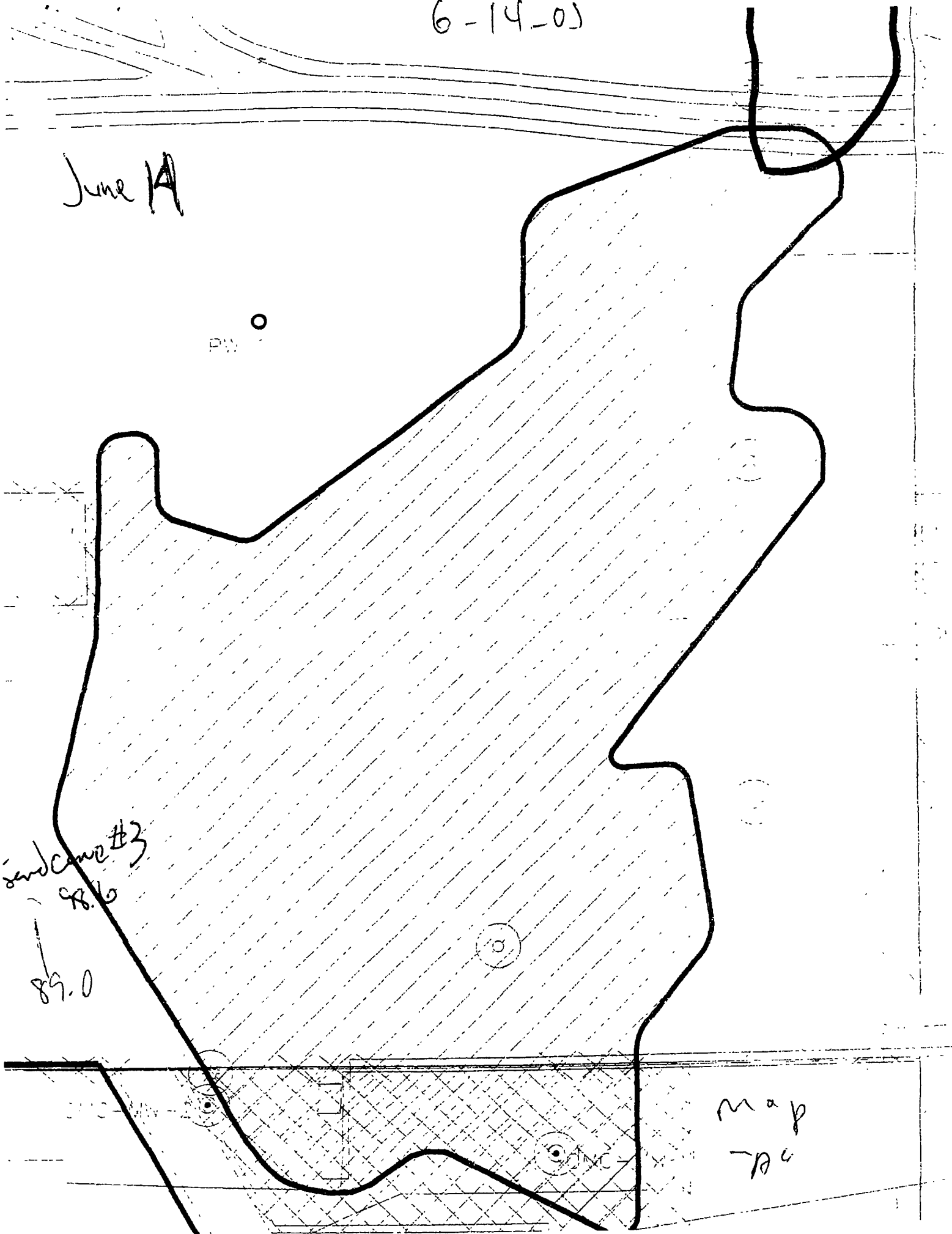
June 14

PW

send case #3
98.6

89.0

map
700

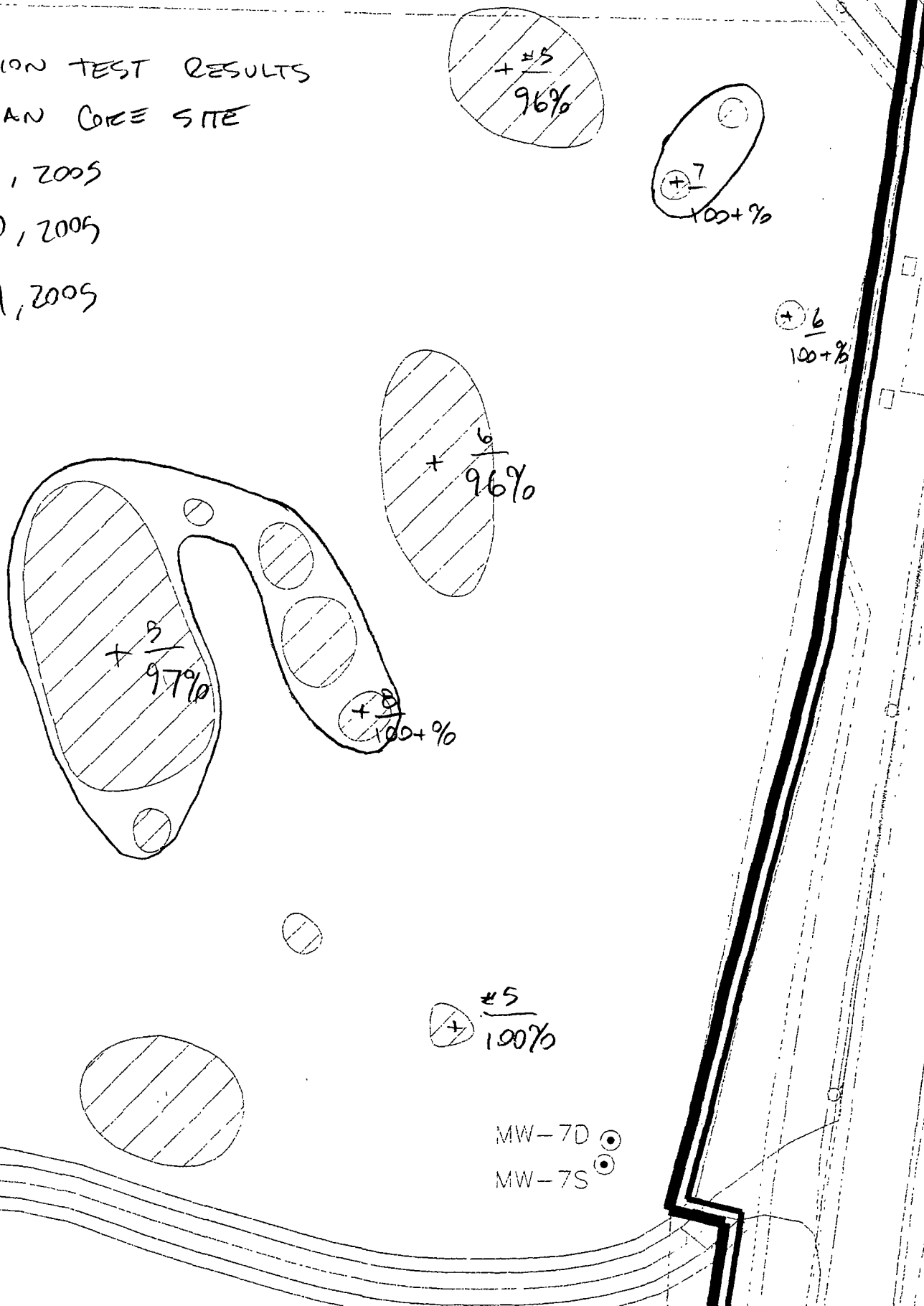


COMPACTION TEST RESULTS
WAUKESHA CORE SITE

JUNE 1, 2005

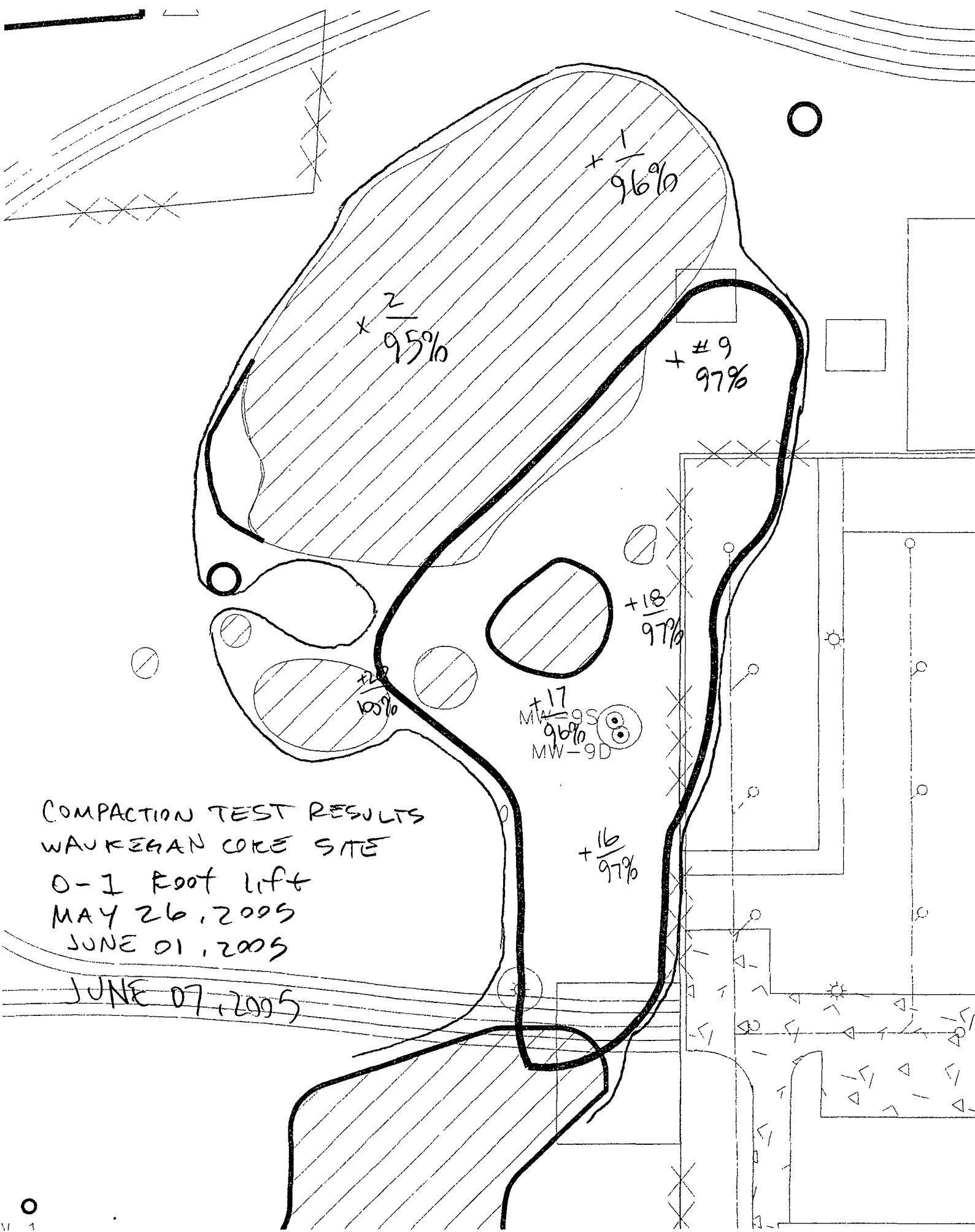
JUNE 10, 2005

JUNE 14, 2005





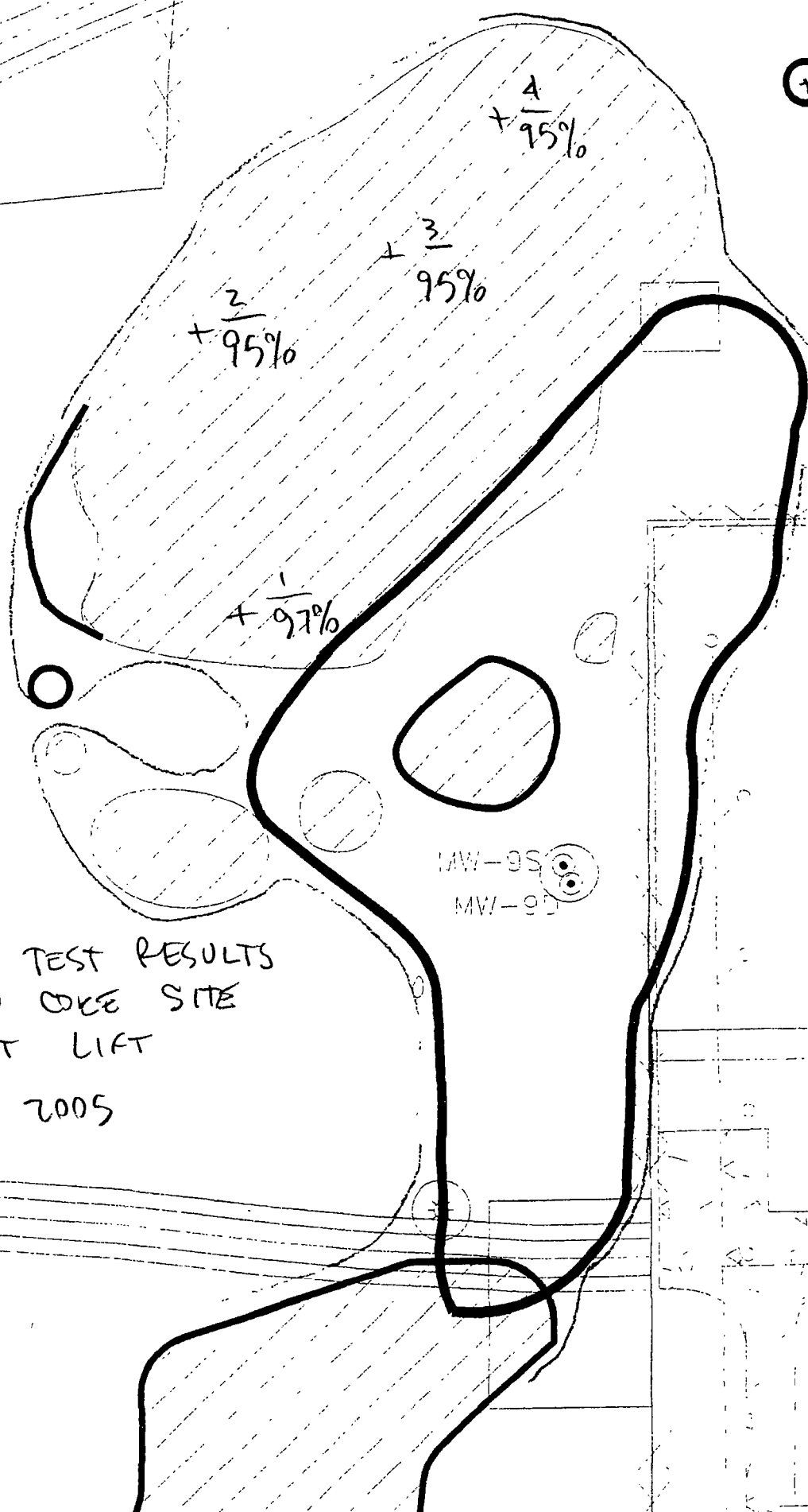
4
 Sand cone
 #3 99%
 JUN 14



COMPACTION TEST RESULTS
WAUKEGAN CORE SITE

0-1 Root lift
MAY 26, 2005
JUNE 01, 2005

JUNE 07, 2005



COMPACTION TEST RESULTS
WAUKEGAN COKE SITE
1-2 FOOT LIFT
JUNE 10, 2005

COMPACTION TESTS
WAUKEGAN COKE SITE
2-3 Foot Lift
JUNE 14 05

#1 SC
+ 98%

+ 3
97%

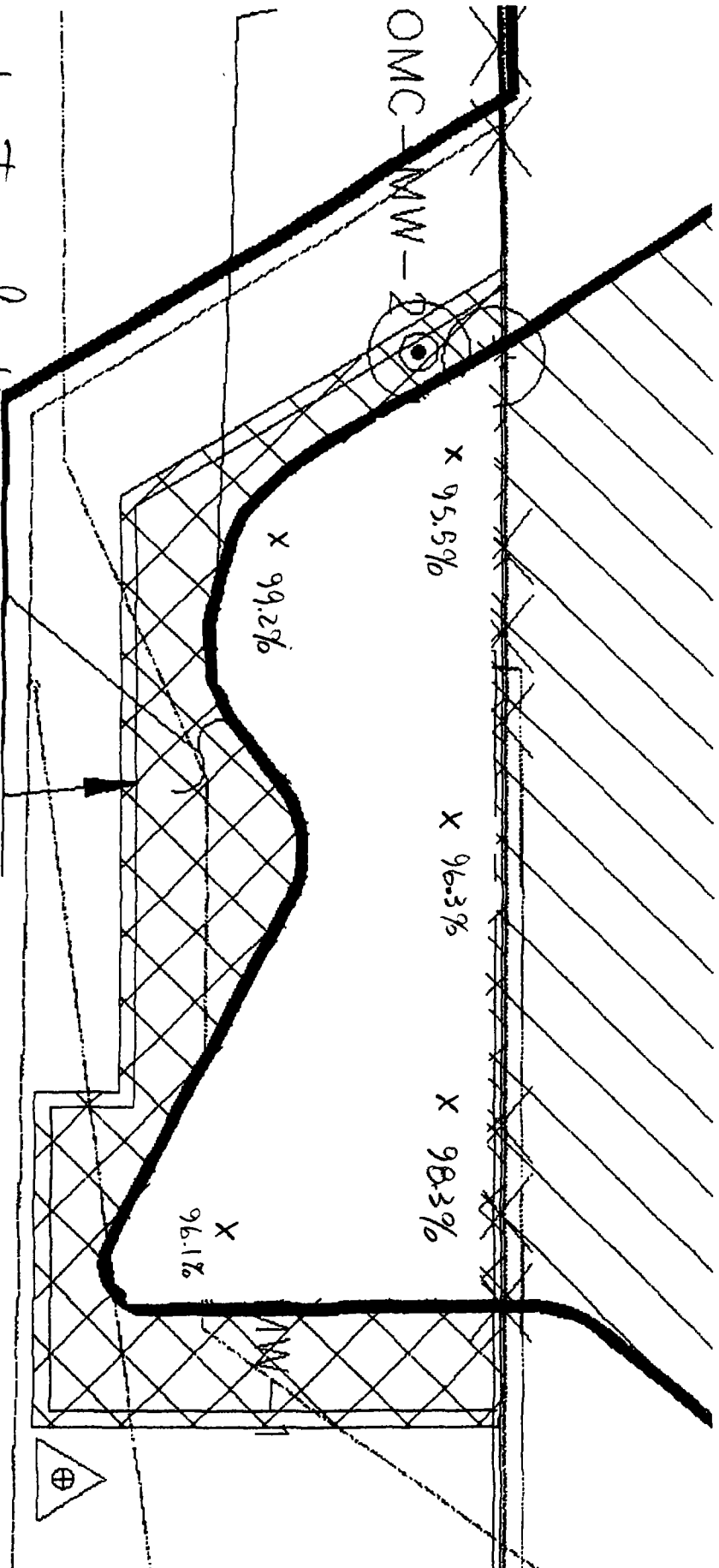
#2 SC
+ 100%

MW-9S

MW-9D

2
100%

+ 97%

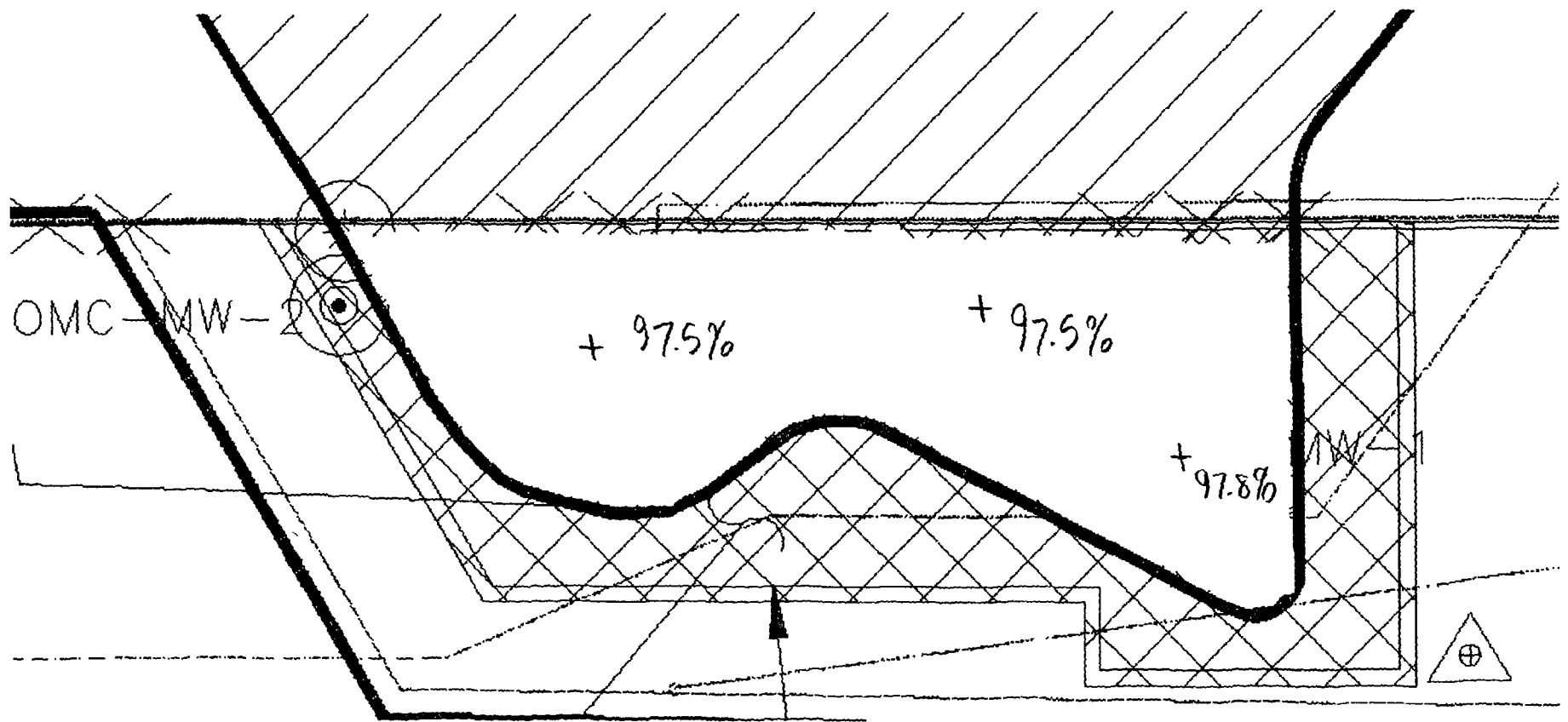


Compaction Test Results

OMC Parking lot Area

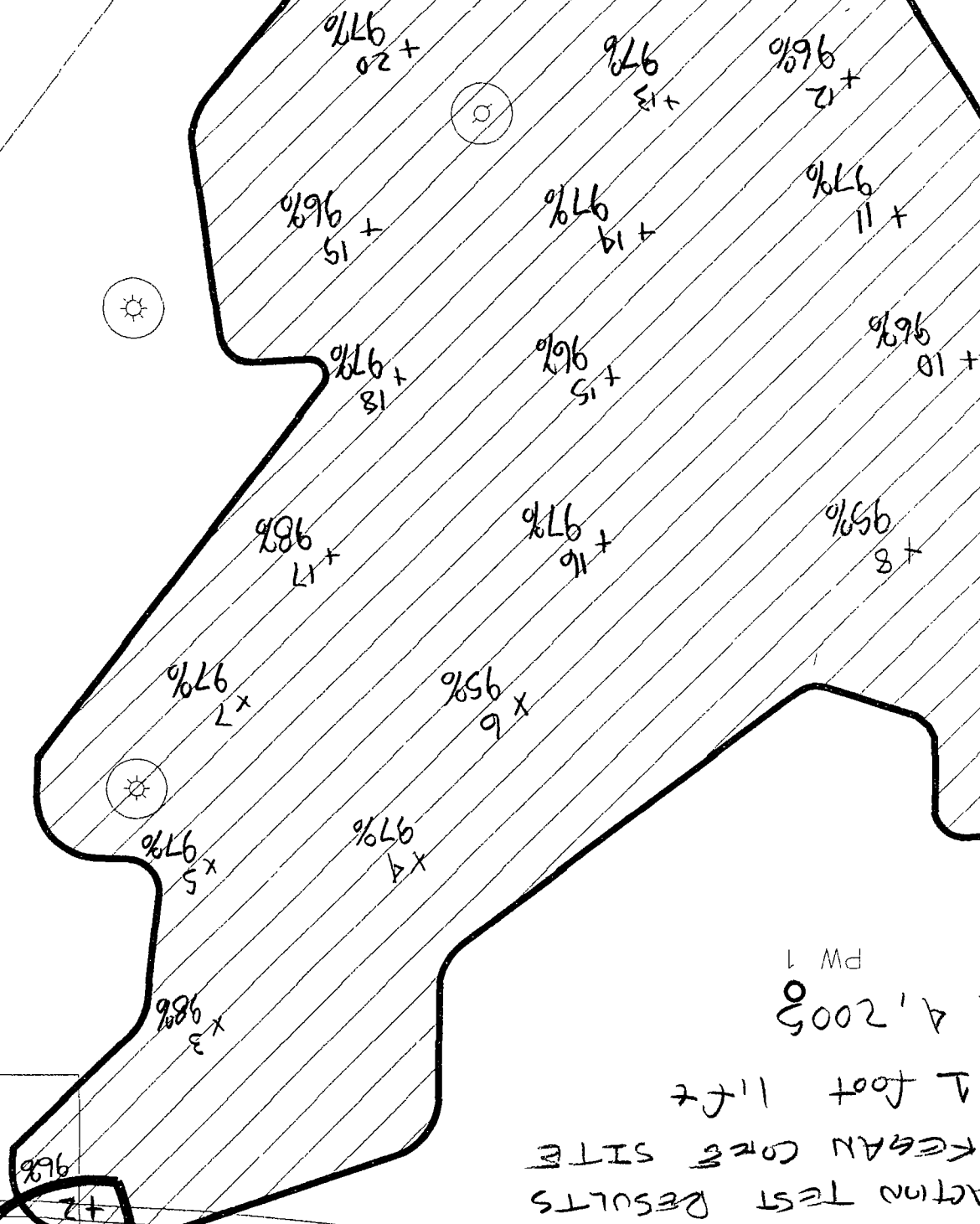
0-1 ft lift

April 1, 2005



COMPACTION TEST RESULTS
OME Parking lot Area
2'-3' foot lift
April 27, 2009

COMPACTION TEST RESULTS
 WAUKESHA CORP SITE
 0 - 1 foot lift
 May 4, 2002
 PW 1



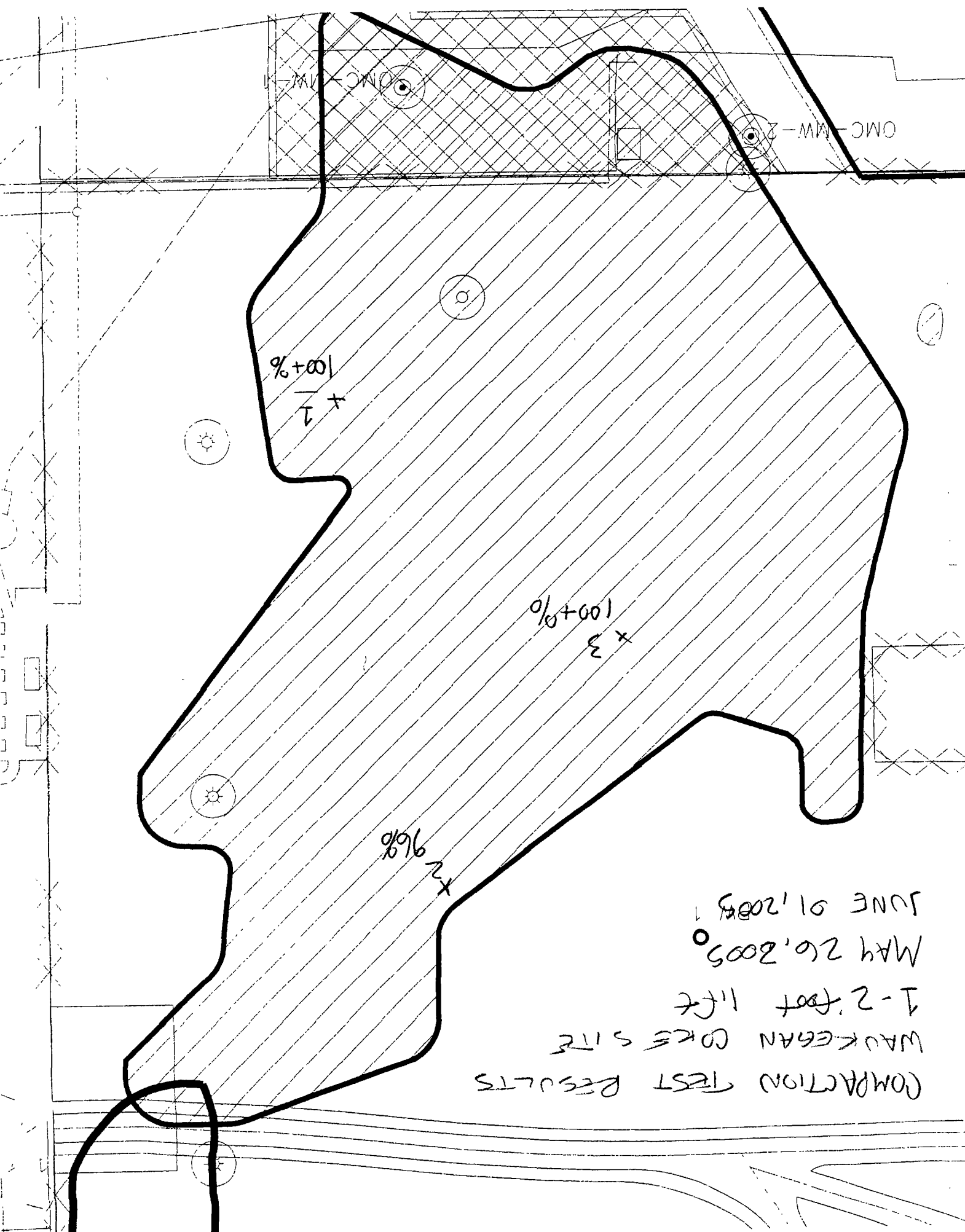
OMC-MM-2
 OMC-MM-1

COMPACTION TEST RESULTS
WAUKESHA COKE SITE
1-2' foot lift
May 26, 2005
JUNE 01, 2005

2%
x

100+0%
3 x

100+0%
1 x



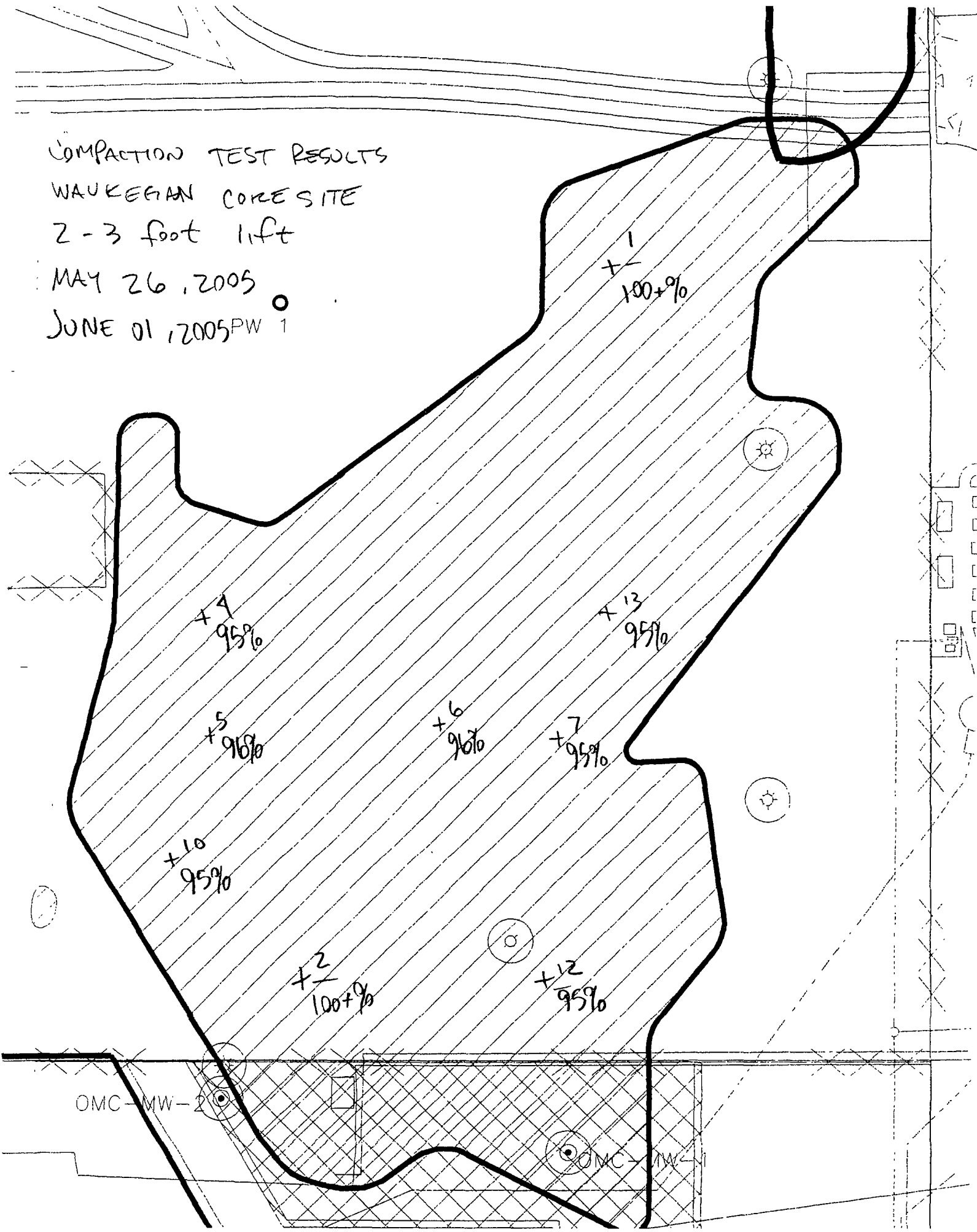
COMPACTION TEST RESULTS

WAUKEGAN CORE SITE

2-3 foot lift

MAY 26, 2005

JUNE 01, 2005 PW 1



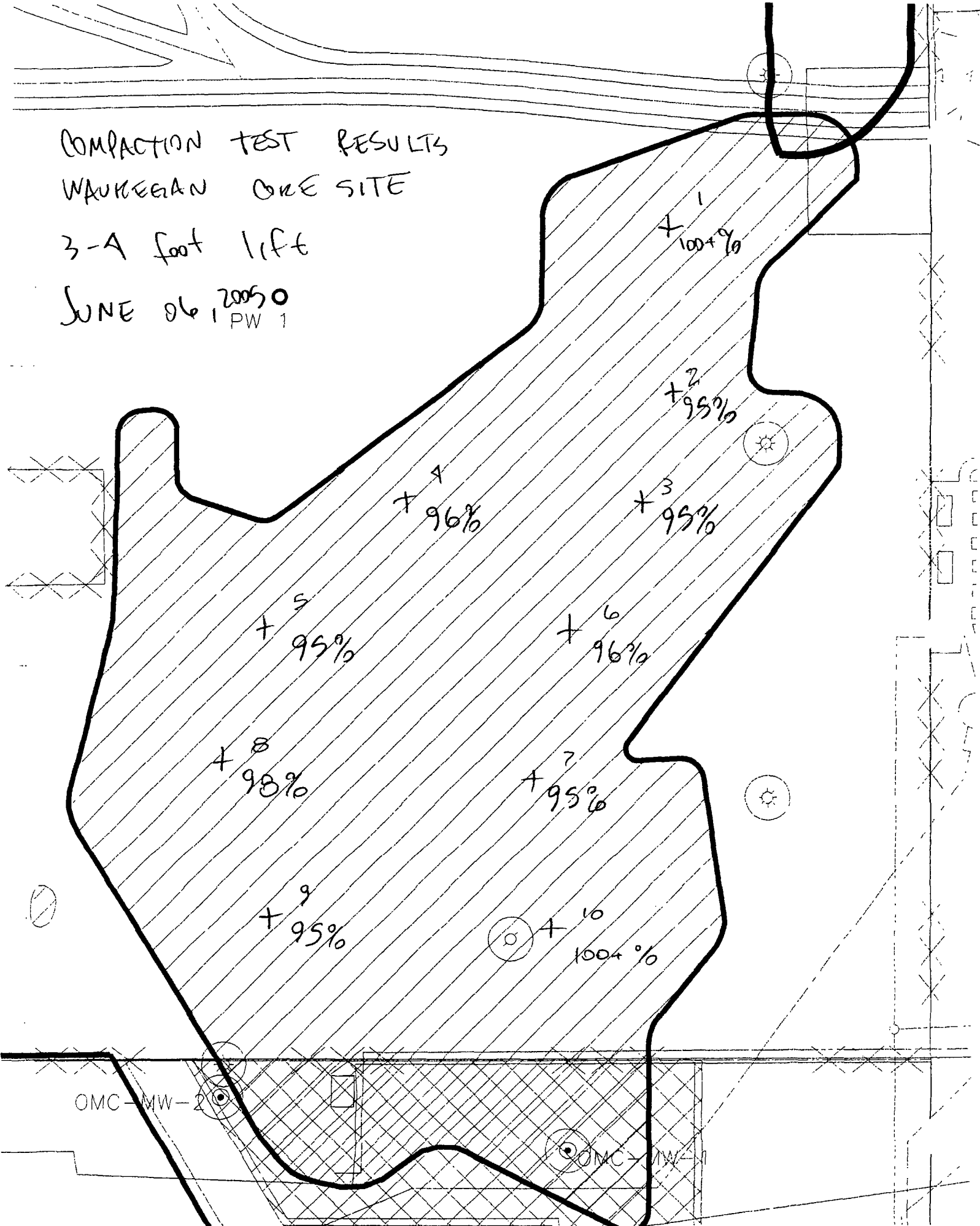
COMPACTION TEST RESULTS

WAUKESHA ONE SITE

3-4 foot lift

JUNE 06, 2005

PW 1



APPENDIX E

AIR MONITORING LOGS



Date: January 27, 2006

To: Alan Van Norman
Conestoga-Rovers & Associates, Inc.

From: Christy Barry

Re: Waukegan Manufactured Gas & Coke Plant Site
Completion Report for Perimeter Ambient Air Monitoring

This report presents and summarizes the results of limited perimeter ambient air monitoring conducted during soil remediation activities near the BRP, Inc. (BRP) facilities at the Waukegan Manufactured Gas and Coke Plant Site (Site). The Site is Operable Unit 2 of the Outboard Marine Corporation Superfund Site and is located at 180 Sea Horse Drive in Waukegan, Illinois. Perimeter ambient air monitoring was conducted on 19 active remediation days: December 2, 2004 through December 17, 2004; January 4, 2005 through January 7, 2005; and March 17, 18 and 21, 2005. The objective of the perimeter ambient air monitoring program was to provide supplemental ambient air quality data during soil remediation activities. Potential constituents of concern in ambient air included the following:

- Benzene, toluene, ethylbenzene, and total xylenes (BTEX);
- Polynuclear aromatic hydrocarbons (PAHs); and
- Particulate matter equal to or less than 10 micrometers in nominal diameter (PM₁₀).

In general, remediation activities included excavating, stockpiling, loading and off-site disposal of impacted soils. The areas of impacted soil were excavated to the water table.

The perimeter ambient air monitoring performed at the Site consisted of two components: real-time air monitoring, including sensory monitoring of emissions by field personnel; and 24-hour, time-averaged ambient air sampling. The real-time air monitoring was used to obtain instantaneous concentrations of total volatile organic compound (VOC) vapors, benzene and dust in ambient air. This data was used to determine the need to implement dust or vapor control measures if the pre-determined action levels were exceeded. Table 1 presents the real-time benzene and dust action levels. The time-averaged monitoring data was conducted to supplement the real-time ambient air monitoring results.

Real-Time Ambient Air Monitoring Methods

The real-time perimeter ambient air monitoring consisted of manual air monitoring along with notation of odors at the various locations shown on Figure 1. The real-time ambient air monitoring was performed using a photoionization detector (PID) to measure VOCs, a gas chromatograph (GC) to measure benzene and a Personal dataRAM (PDR) to measure dust. Real-time monitoring was conducted at each of the two 24-hour ambient air sampling stations located on the north side of the BRP buildings adjacent to the Site on all perimeter air monitoring days. Additional real-time monitoring was conducted in December 2004 and January 2005 to the



January 27, 2006

Page 2

north/northwest of the active excavation area, between the excavation and the adjacent Larson Marine property; and in March 2005, at two locations to the east of the excavation areas between the Site and the public beach. Monitoring was conducted at each location approximately once per hour during remedial activities. The instruments were calibrated or zero checked daily and were operated according to the manufacturers' recommendations. Monitoring results were continuously logged on the instruments and downloaded daily. Results were also recorded on field log sheets as the monitoring was performed.

24-Hour, Time-Averaged Sampling Methods

In addition to the real-time monitoring, 24-hour time-averaged ambient air samples were collected from two locations along the north side of the BRP buildings adjacent to the Site. Station 1 was located at the eastern-most area of occupied space in the complex, southwest of the western edge of the excavation area. Station 2 was located further west, in front of the two-story engineering building. These 24-hour time-averaged stations are shown on Figure 1. The 24-hour time-averaged sampling was performed using Summa canisters with 24-hour air flow controllers to collect BTEX samples and high-volume polyurethane foam (PUF) samplers to collect PAH samples. The samplers were calibrated and operated in accordance with manufacturers' instructions and applicable United States Environmental Protection Agency (USEPA) methods.

The time-averaged samples were started before remediation activities began each work day and were collected at approximately the same time on the following day to obtain a 24-hour sample. Samples were sent to Severn-Trent Laboratories (STL) in Knoxville, Tennessee for analysis via Federal Express overnight service. STL analyzed BTEX samples by USEPA Method TO-15 and PAH samples by USEPA Method TO-13A. Upon receipt of data from STL, the raw data was reviewed, validated, and PAH concentration calculations were performed. Data from the Site meteorological station was incomplete; therefore, meteorological data from the Waukegan Regional Airport weather station, supplied by Midwestern Regional Climate Center of the National Weather Service, was used in the calculations.

PAH results were reported from the laboratory as mass in micrograms (μg) per sample. Sample concentrations in micrograms per standard cubic meter ($\mu\text{g}/\text{std m}^3$) of air were calculated using the following equation, which incorporates the correction to standard temperature and barometric pressure conditions:

$$\text{Concentration } (\mu\text{g}/\text{std m}^3) = \frac{\text{Mass } (\mu\text{g})}{\text{Standard Flow Rate } (\text{std m}^3/\text{min}) \times \text{Elapsed Time } (\text{min})}$$

Where:

Standard Flow Rate = actual flow rate corrected to standard temperature and pressure conditions of 25 degrees Celsius ($^{\circ}\text{C}$) and 760 millimeters (mm) of mercury



January 27, 2006

Page 3

Real-Time Ambient Air Monitoring Results

As presented in Table 1, real-time ambient air monitoring “yellow light” corrective action levels for benzene and dust were established as 0.05 parts per million (ppm) and 150 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) [0.150 milligrams per cubic meter (mg/m^3)], respectively. The “yellow light” action levels were used as a warning level to indicate that engineering controls were needed to control vapor or dust emissions. “Red light” action levels for complete stoppage of work were set at higher levels as shown in Table 1. During perimeter air monitoring sampling events, no VOCs or benzene were detected in air at any of the real-time monitoring stations. In addition, dust concentrations were consistently below the “yellow light” corrective action level.

No odors from excavation activities were noticed throughout the monitoring period at 24-hour air monitoring stations at the BRP buildings. Occasionally, odors related to the excavating, stockpiling and truck loading activities were present near the real-time air monitoring station between the excavations and Larsen Marine, depending upon remedial activities and wind direction. Odors were also noted along the west side of the former OMC Data building on-site, by the Site construction trailers, on Sea Horse Drive, and at the BRP gate that was used to access the 24-hour air monitoring stations. No odor suppressing or masking agents were used on-site to minimize odors on days when the perimeter air monitoring field person was present at the Site.

24-Hour, Time-Averaged Sampling Results

Table 2 presents a summary of the analytical data collected from the time-averaged air monitoring.

Attachments

cc: James R. Campbell – Engineering Management, Inc.
Steven J. Matuszak – Peoples Energy
Jim Langseth – Barr Engineering Company
Larry Milner – Burns & McDonnell

Tables
Completion Report for Perimeter Ambient Air Monitoring
Waukegan Manufactured Gas & Coke Plant Site

Table 1
Real-Time Ambient Air Monitoring Action Levels
Soil Remediation Activities
Waukegan Manufactured Gas & Coke Plant Site

Analyte	"Yellow Light" Action Level	Recommended Actions	"Red Light" Action Level	Recommended Actions
Benzene	0.05 ppm	<ol style="list-style-type: none"> 1. Cover soil cuttings with polypropylene sheeting or containerize excavated material. 2. Apply VOC emission suppressant foam to excavations. 3. Slow excavation activities. 4. Re-sample air and obtain concentration readings below action levels. 	0.5 ppm	<ol style="list-style-type: none"> 1. Stop all excavation activities. 2. Contact project manager for instructions.
Dust	150 µg/m ³	<ol style="list-style-type: none"> 1. Cover soil cuttings with polypropylene sheeting or containerize excavated material. 2. Apply water to areas of activity/roads to minimize dust. 3. Slow excavation activities. 4. Re-sample air and obtain concentration readings below action levels. 	500 µg/m ³	<ol style="list-style-type: none"> 1. Stop all excavation activities. 2. Contact project manager for instructions.

Notes

- 1) Benzene action levels based on professional judgment and experience at other manufactured gas plant sites
- 2) The "yellow light" dust action level is the USEPA National Ambient Air Quality Standard for PM₁₀ from 40 CFR 50.6 "National Primary and Secondary Ambient Air Quality Standards for PM(10)" [36 FR 22384, Nov 25, 1971, as amended at 52 FR 24663, July 1, 1987; 62 FR 38652, July 18, 1997].
- 3) The "red light" dust action level is the Emergency Episode Stage concentration set forth for PM₁₀ in Illinois Title 35: Environmental Protection, Subtitle B: Air Pollution, Chapter 1 Pollution Control Board, Subchapter 1 Air Quality Standards and Episodes, Subpart D: Episode Stages, Section 244.161, May 15, 1992

Table 2
24-Hour Perimeter Ambient Air Monitoring Data Summary
Soil Remediation Activities
Waukegan Manufactured Gas & Coke Plant Site

Date 12/2/2004	Sample Location and Concentration		Date: 12/3/2004	Sample Location and Concentration	
Compound/Analyte	Station 1	Station 2	Compound/Analyte	Station 1	Station 2
BTEX ($\mu\text{g}/\text{m}^3$)			BTEX ($\mu\text{g}/\text{m}^3$)		
Benzene	1.1	1.4	Benzene	1.0	1.1
Ethylbenzene	0.87 U	0.87 U	Ethylbenzene	0.87 U	0.87 U
Toluene	2.4	2.5	Toluene	3.2	4.3
o-Xylene	0.87 U	0.87 U	o-Xylene	0.87 U	0.87 U
m-Xylene & p-Xylene	1.2	1.4	m-Xylene & p-Xylene	1.9	2.0
PAHs ($\mu\text{g}/\text{std. m}^3$)			PAHs ($\mu\text{g}/\text{std. m}^3$)		
Acenaphthene	NC	NC	Acenaphthene	0.015 U	0.014 U
Acenaphthylene	NC	NC	Acenaphthylene	0.015 U	0.014 U
Anthracene	NC	NC	Anthracene	0.015 U	0.014 U
Benzo(a)anthracene	NC	NC	Benzo(a)anthracene	0.015 U	0.014 U
Benzo(b)fluoranthene	NC	NC	Benzo(b)fluoranthene	0.015 U	0.014 U
Benzo(k)fluoranthene	NC	NC	Benzo(k)fluoranthene	0.015 U	0.014 U
Benzo(a)pyrene	NC	NC	Benzo(a)pyrene	0.015 U	0.014 U
Benzo(g,h,i)perylene	NC	NC	Benzo(g,h,i)perylene	0.015 U	0.014 U
Chrysene	NC	NC	Chrysene	0.015 U	0.014 U
Dibenzo(a,h)anthracene	NC	NC	Dibenzo(a,h)anthracene	0.015 U	0.014 U
Fluoranthene	NC	NC	Fluoranthene	0.015 U	0.014 U
Fluorene	NC	NC	Fluorene	0.015 U	0.014 U
Indeno(1,2,3-cd)pyrene	NC	NC	Indeno(1,2,3-cd)pyrene	0.015 U	0.014 U
Naphthalene	NC	NC	Naphthalene	0.029 U	0.046
Phenanthrene	NC	NC	Phenanthrene	0.015	0.014 U
Pyrene	NC	NC	Pyrene	0.015 U	0.014 U

Notes

- 1) $\mu\text{g}/\text{m}^3$ - microgram per cubic meter
- 2) $\mu\text{g}/\text{std. m}^3$ - micrograms per standard cubic meter
- 3) U - compound not detected, reporting limit shown
- 4) NC - not collected, power failure

Table 2 (Continued)
24-Hour Perimeter Ambient Air Monitoring Data Summary
Soil Remediation Activities
Waukegan Manufactured Gas & Coke Plant Site

Date 12/6/2004	Sample Location and Concentration		Date 12/7/2004	Sample Location and Concentration	
Compound/Analyte	Station 1	Station 2	Compound/Analyte	Station 1	Station 2
BTEX ($\mu\text{g}/\text{m}^3$)			BTEX ($\mu\text{g}/\text{m}^3$)		
Benzene	2.4	2.3	Benzene	1.7	1.9
Ethylbenzene	1.00	1.1	Ethylbenzene	0.87 U	0.87 U
Toluene	8.3	7.2	Toluene	4.3	3.5
o-Xylene	1.3	1.3	o-Xylene	0.87 U	1.0
m-Xylene & p-Xylene	3.0	2.7	m-Xylene & p-Xylene	1.9	2.3
PAHs ($\mu\text{g}/\text{std. m}^3$)			PAHs ($\mu\text{g}/\text{std. m}^3$)		
Acenaphthene	0.015 U	0.015 U	Acenaphthene	0.015 U	0.014 U
Acenaphthylene	0.015 U	0.016	Acenaphthylene	0.015 U	0.014 U
Anthracene	0.015 U	0.015 U	Anthracene	0.015 U	0.014 U
Benzo(a)anthracene	0.015 U	0.015 U	Benzo(a)anthracene	0.015 U	0.014 U
Benzo(b)fluoranthene	0.015 U	0.015 U	Benzo(b)fluoranthene	0.015 U	0.014 U
Benzo(k)fluoranthene	0.015 U	0.015 U	Benzo(k)fluoranthene	0.015 U	0.014 U
Benzo(a)pyrene	0.015 U	0.015 U	Benzo(a)pyrene	0.015 U	0.014 U
Benzo(g,h,i)perylene	0.015 U	0.015 U	Benzo(g,h,i)perylene	0.015 U	0.014 U
Chrysene	0.015 U	0.015 U	Chrysene	0.015 U	0.014 U
Dibenzo(a,h)anthracene	0.015 U	0.015 U	Dibenzo(a,h)anthracene	0.015 U	0.014 U
Fluoranthene	0.015 U	0.015 U	Fluoranthene	0.015 U	0.014 U
Fluorene	0.015 U	0.015 U	Fluorene	0.015 U	0.014 U
Indeno(1,2,3-cd)pyrene	0.015 U	0.015 U	Indeno(1,2,3-cd)pyrene	0.015 U	0.014 U
Naphthalene	0.18	0.76	Naphthalene	0.12	0.092
Phenanthrene	0.018	0.024	Phenanthrene	0.015 U	0.014 U
Pyrene	0.015 U	0.015 U	Pyrene	0.015 U	0.014 U

Notes

- 1) $\mu\text{g}/\text{m}^3$ - microgram per cubic meter
- 2) $\mu\text{g}/\text{std. m}^3$ - micrograms per standard cubic meter
- 3) U - compound not detected, reporting limit shown

Table 2 (Continued)
24-Hour Perimeter Ambient Air Monitoring Data Summary
Soil Remediation Activities
Waukegan Manufactured Gas & Coke Plant Site

Date 12/8/2004	Sample Location and Concentration		Date 12/9/2004	Sample Location and Concentration	
Compound/Analyte	Station 1	Station 2	Compound/Analyte	Station 1	Station 2
BTEX ($\mu\text{g}/\text{m}^3$)			BTEX ($\mu\text{g}/\text{m}^3$)		
Benzene	1.5	NC	Benzene	3.5	4.9
Ethylbenzene	0.87 U	NC	Ethylbenzene	1.3	5.1
Toluene	3.3	NC	Toluene	6.7	15
o-Xylene	0.87 U	NC	o-Xylene	1.3	7.4
m-Xylene & p-Xylene	1.7	NC	m-Xylene & p-Xylene	4.0	20
PAHs ($\mu\text{g}/\text{std m}^3$)			PAHs ($\mu\text{g}/\text{std m}^3$)		
Acenaphthene	0.015 U	0.015 U	Acenaphthene	0.018	0.015 U
Acenaphthylene	0.015 U	0.015 U	Acenaphthylene	0.046	0.029
Anthracene	0.015 U	0.015 U	Anthracene	0.015 U	0.015 U
Benzo(a)anthracene	0.015 U	0.015 U	Benzo(a)anthracene	0.015 U	0.015 U
Benzo(b)fluoranthene	0.015 U	0.015 U	Benzo(b)fluoranthene	0.015 U	0.015 U
Benzo(k)fluoranthene	0.015 U	0.015 U	Benzo(k)fluoranthene	0.015 U	0.015 U
Benzo(a)pyrene	0.015 U	0.015 U	Benzo(a)pyrene	0.015 U	0.015 U
Benzo(g,h,i)perylene	0.015 U	0.015 U	Benzo(g,h,i)perylene	0.015 U	0.015 U
Chrysene	0.015 U	0.015 U	Chrysene	0.015 U	0.015 U
Dibenzo(a,h)anthracene	0.015 U	0.015 U	Dibenzo(a,h)anthracene	0.015 U	0.015 U
Fluoranthene	0.015 U	0.015 U	Fluoranthene	0.015 U	0.015 U
Fluorene	0.015 U	0.015 U	Fluorene	0.028	0.015 U
Indeno(1,2,3-cd)pyrene	0.015 U	0.015 U	Indeno(1,2,3-cd)pyrene	0.015 U	0.015 U
Naphthalene	0.10	0.16	Naphthalene	1.8	1.2
Phenanthrene	0.015 U	0.015 U	Phenanthrene	0.033	0.024
Pyrene	0.015 U	0.015 U	Pyrene	0.015 U	0.015 U

Notes

- 1) $\mu\text{g}/\text{m}^3$ - microgram per cubic meter
- 2) $\mu\text{g}/\text{std m}^3$ - micrograms per standard cubic meter
- 3) U - compound not detected, reporting limit shown
- 4) NC - not collected, equipment malfunction

Table 2 (Continued)
24-Hour Perimeter Ambient Air Monitoring Data Summary
Soil Remediation Activities
Waukegan Manufactured Gas & Coke Plant Site

Date. 12/10/2004	Sample Location and Concentration		Date. 12/13/2004	Sample Location and Concentration	
Compound/Analyte	Station 1	Station 2	Compound/Analyte	Station 1	Station 2
BTEX ($\mu\text{g}/\text{m}^3$)			BTEX ($\mu\text{g}/\text{m}^3$)		
Benzene	2 0 J	NA	Benzene	0 78	1 1
Ethylbenzene	1 2 UJ	NA	Ethylbenzene	0 87 U	0 87 U
Toluene	2 9 J	NA	Toluene	0 75 U	0 77
o-Xylene	1 2 UJ	NA	o-Xylene	0 87 U	0 87 U
m-Xylene & p-Xylene	1 8 J	NA	m-Xylene & p-Xylene	0 87 U	0 87 U
PAHs ($\mu\text{g}/\text{std m}^3$)			PAHs ($\mu\text{g}/\text{std m}^3$)		
Acenaphthene	0 017	0 014 U	Acenaphthene	0 014 U	0 014 U
Acenaphthylene	0 035	0 021	Acenaphthylene	0 014 U	0 014 U
Anthracene	0 015 U	0 014 U	Anthracene	0 014 U	0 014 U
Benzo(a)anthracene	0 015 U	0 014 U	Benzo(a)anthracene	0 014 U	0 014 U
Benzo(b)fluoranthene	0 015 U	0 014 U	Benzo(b)fluoranthene	0 014 U	0 014 U
Benzo(k)fluoranthene	0 015 U	0 014 U	Benzo(k)fluoranthene	0 014 U	0 014 U
Benzo(a)pyrene	0 015 U	0 014 U	Benzo(a)pyrene	0 014 U	0 014 U
Benzo(g,h,i)perylene	0 015 U	0 014 U	Benzo(g,h,i)perylene	0 014 U	0 014 U
Chrysene	0 015 U	0 014 U	Chrysene	0 014 U	0 014 U
Dibenzo(a,h)anthracene	0 015 U	0 014 U	Dibenzo(a,h)anthracene	0 014 U	0 014 U
Fluoranthene	0 015 U	0 014 U	Fluoranthene	0 014 U	0 014 U
Fluorene	0 038	0 014 U	Fluorene	0 014 U	0 014 U
Indeno(1,2,3-cd)pyrene	0 015 U	0 014 U	Indeno(1,2,3-cd)pyrene	0 014 U	0 014 U
Naphthalene	2 6	0 95	Naphthalene	0 029 U	0 049
Phenanthrene	0 022	0 014 U	Phenanthrene	0 014 U	0 014 U
Pyrene	0 015 U	0 014 U	Pyrene	0 014 U	0 014 U

Notes

- 1) $\mu\text{g}/\text{m}^3$ - microgram per cubic meter
- 2) $\mu\text{g}/\text{std m}^3$ - micrograms per standard cubic meter
- 3) U - compound not detected, reporting limit shown
- 4) NA - not analyzed, sample lost in laboratory accident
- 5) J - indicates an estimated value

Table 2 (Continued)
24-Hour Perimeter Ambient Air Monitoring Data Summary
Soil Remediation Activities
Waukegan Manufactured Gas & Coke Plant Site

Date: 12/14/2004	Sample Location and Concentration		Date: 12/15/2004	Sample Location and Concentration	
Compound/Analyte	Station 1	Station 2	Compound/Analyte	Station 1	Station 2
BTEX ($\mu\text{g}/\text{m}^3$)			BTEX ($\mu\text{g}/\text{m}^3$)		
Benzene	0.68	1.0	Benzene	0.72	0.66
Ethylbenzene	0.87 U	0.87 U	Ethylbenzene	0.87 U	0.87 U
Toluene	0.86	2.5	Toluene	3.9	3.0
o-Xylene	0.87 U	0.87 U	o-Xylene	0.87 U	0.87 U
m-Xylene & p-Xylene	0.87 U	0.92	m-Xylene & p-Xylene	0.87 U	0.87 U
PAHs ($\mu\text{g}/\text{std. m}^3$)			PAHs ($\mu\text{g}/\text{std. m}^3$)		
Acenaphthene	0.014 U	0.014 U	Acenaphthene	0.015 U	0.015 U
Acenaphthylene	0.014 U	0.014 U	Acenaphthylene	0.015 U	0.015 U
Anthracene	0.014 U	0.014 U	Anthracene	0.015 U	0.015 U
Benzo(a)anthracene	0.014 U	0.014 U	Benzo(a)anthracene	0.015 U	0.015 U
Benzo(b)fluoranthene	0.014 U	0.014 U	Benzo(b)fluoranthene	0.015 U	0.015 U
Benzo(k)fluoranthene	0.014 U	0.014 U	Benzo(k)fluoranthene	0.015 U	0.015 U
Benzo(a)pyrene	0.014 U	0.014 U	Benzo(a)pyrene	0.015 U	0.015 U
Benzo(g,h,i)perylene	0.014 U	0.014 U	Benzo(g,h,i)perylene	0.015 U	0.015 U
Chrysene	0.014 U	0.014 U	Chrysene	0.015 U	0.015 U
Dibenzo(a,h)anthracene	0.014 U	0.014 U	Dibenzo(a,h)anthracene	0.015 U	0.015 U
Fluoranthene	0.014 U	0.014 U	Fluoranthene	0.015 U	0.015 U
Fluorene	0.014 U	0.014 U	Fluorene	0.015 U	0.015 U
Indeno(1,2,3-cd)pyrene	0.014 U	0.014 U	Indeno(1,2,3-cd)pyrene	0.015 U	0.015 U
Naphthalene	0.080	0.34	Naphthalene	0.20	0.061
Phenanthrene	0.014 U	0.014 U	Phenanthrene	0.015 U	0.015 U
Pyrene	0.014 U	0.014 U	Pyrene	0.015 U	0.015 U

Notes

- 1) $\mu\text{g}/\text{m}^3$ - microgram per cubic meter
- 2) $\mu\text{g}/\text{std. m}^3$ - micrograms per standard cubic meter
- 3) U - compound not detected, reporting limit shown

Table 2 (Continued)
24-Hour Perimeter Ambient Air Monitoring Data Summary
Soil Remediation Activities
Waukegan Manufactured Gas & Coke Plant Site

Date 12/16/2004	Sample Location and Concentration		Date 12/17/2004	Sample Location and Concentration	
Compound/Analyte	Station 1	Station 2	Compound/Analyte	Station 1	Station 2
BTEX ($\mu\text{g}/\text{m}^3$)			BTEX ($\mu\text{g}/\text{m}^3$)		
Benzene	0.64 U	1.2	Benzene	1.1	1.2
Ethylbenzene	0.87 U	0.87 U	Ethylbenzene	0.87 U	0.87 U
Toluene	0.75 U	2.5	Toluene	3.7	4.6
o-Xylene	0.87 U	0.91	o-Xylene	0.87 U	0.87 U
m-Xylene & p-Xylene	0.87 U	2.1	m-Xylene & p-Xylene	1.8	2.8
PAHs ($\mu\text{g}/\text{std m}^3$)			PAHs ($\mu\text{g}/\text{std m}^3$)		
Acenaphthene	0.014 U	0.014 U	Acenaphthene	0.014 U	0.015 U
Acenaphthylene	0.014 U	0.014 U	Acenaphthylene	0.014 U	0.015 U
Anthracene	0.014 U	0.014 U	Anthracene	0.014 U	0.015 U
Benzo(a)anthracene	0.014 U	0.014 U	Benzo(a)anthracene	0.014 U	0.015 U
Benzo(b)fluoranthene	0.014 U	0.014 U	Benzo(b)fluoranthene	0.014 U	0.015 U
Benzo(k)fluoranthene	0.014 U	0.014 U	Benzo(k)fluoranthene	0.014 U	0.015 U
Benzo(a)pyrene	0.014 U	0.014 U	Benzo(a)pyrene	0.014 U	0.015 U
Benzo(g,h,i)perylene	0.014 U	0.014 U	Benzo(g,h,i)perylene	0.014 U	0.015 U
Chrysene	0.014 U	0.014 U	Chrysene	0.014 U	0.015 U
Dibenzo(a,h)anthracene	0.014 U	0.014 U	Dibenzo(a,h)anthracene	0.014 U	0.015 U
Fluoranthene	0.014 U	0.014 U	Fluoranthene	0.014 U	0.015 U
Fluorene	0.014 U	0.014 U	Fluorene	0.014 U	0.015 U
Indeno(1,2,3-cd)pyrene	0.014 U	0.014 U	Indeno(1,2,3-cd)pyrene	0.014 U	0.015 U
Naphthalene	0.057	0.14	Naphthalene	0.086	0.30
Phenanthrene	0.014 U	0.014 U	Phenanthrene	0.014 U	0.015 U
Pyrene	0.014 U	0.014 U	Pyrene	0.014 U	0.015 U

Notes

- 1) $\mu\text{g}/\text{m}^3$ - microgram per cubic meter
- 2) $\mu\text{g}/\text{std m}^3$ - micrograms per standard cubic meter
- 3) U - compound not detected, reporting limit shown

Table 2 (Continued)
24-Hour Perimeter Ambient Air Monitoring Data Summary
Soil Remediation Activities
Waukegan Manufactured Gas & Coke Plant Site

Date. 1/4/2005	Sample Location and Concentration		Date. 1/5/2005	Sample Location and Concentration	
Compound/Analyte	Station 1	Station 2	Compound/Analyte	Station 1	Station 2
BTEX ($\mu\text{g}/\text{m}^3$)			BTEX ($\mu\text{g}/\text{m}^3$)		
Benzene	0.66	0.86	Benzene	0.64 U	2.2
Ethylbenzene	0.87 U	0.87 U	Ethylbenzene	0.87 U	0.87 U
Toluene	0.93	1.2	Toluene	0.75 U	3.2
o-Xylene	0.87 U	0.87 U	o-Xylene	0.87 U	1.3
m-Xylene & p-Xylene	0.87 U	0.87 U	m-Xylene & p-Xylene	0.87 U	2.6
PAHs ($\mu\text{g}/\text{std m}^3$)			PAHs ($\mu\text{g}/\text{std m}^3$)		
Acenaphthene	0.014 U	0.015 U	Acenaphthene	0.014 U	0.015 U
Acenaphthylene	0.014 U	0.015 U	Acenaphthylene	0.014 U	0.015 U
Anthracene	0.014 U	0.015 U	Anthracene	0.014 U	0.015 U
Benzo(a)anthracene	0.014 U	0.015 U	Benzo(a)anthracene	0.014 U	0.015 U
Benzo(b)fluoranthene	0.014 U	0.015 U	Benzo(b)fluoranthene	0.014 U	0.015 U
Benzo(k)fluoranthene	0.014 U	0.015 U	Benzo(k)fluoranthene	0.014 U	0.015 U
Benzo(a)pyrene	0.014 U	0.015 U	Benzo(a)pyrene	0.014 U	0.015 U
Benzo(g,h,i)perylene	0.014 U	0.015 U	Benzo(g,h,i)perylene	0.014 U	0.015 U
Chrysene	0.014 U	0.015 U	Chrysene	0.014 U	0.015 U
Dibenzo(a,h)anthracene	0.014 U	0.015 U	Dibenzo(a,h)anthracene	0.014 U	0.015 U
Fluoranthene	0.014 U	0.015 U	Fluoranthene	0.014 U	0.015 U
Fluorene	0.014 U	0.015 U	Fluorene	0.014 U	0.015 U
Indeno(1,2,3-cd)pyrene	0.014 U	0.015 U	Indeno(1,2,3-cd)pyrene	0.014 U	0.015 U
Naphthalene	1.1	0.13	Naphthalene	0.28	1.3
Phenanthrene	0.014 U	0.015 U	Phenanthrene	0.014 U	0.015 U
Pyrene	0.014 U	0.015 U	Pyrene	0.014 U	0.015 U

Notes

- 1) $\mu\text{g}/\text{m}^3$ - microgram per cubic meter
- 2) $\mu\text{g}/\text{std m}^3$ - micrograms per standard cubic meter
- 3) U - compound not detected, reporting limit shown

Table 2 (Continued)
24-Hour Perimeter Ambient Air Monitoring Data Summary
Soil Remediation Activities
Waukegan Manufactured Gas & Coke Plant Site

Date 1/6/2005	Sample Location and Concentration		Date 1/7/2005	Sample Location and Concentration	
Compound/Analyte	Station 1	Station 2	Compound/Analyte	Station 1	Station 2
BTEX ($\mu\text{g}/\text{m}^3$)			BTEX ($\mu\text{g}/\text{m}^3$)		
Benzene	1 5	1 7	Benzene	1 3	1 6
Ethylbenzene	0 87 U	0 87 U	Ethylbenzene	0 87 U	0 87 U
Toluene	2 6	3 1	Toluene	2 9	6 4
o-Xylene	0 87 U	0.87 U	o-Xylene	0 87 U	1.00
m-Xylene & p-Xylene	1 3	1 6	m-Xylene & p-Xylene	0 87 U	2 7
PAHs ($\mu\text{g}/\text{std. m}^3$)			PAHs ($\mu\text{g}/\text{std. m}^3$)		
Acenaphthene	0 014 U	0 014 U	Acenaphthene	0 014 U	0 014 U
Acenaphthylene	0 014 U	0 014 U	Acenaphthylene	0 014 U	0 014 U
Anthracene	0 014 U	0 014 U	Anthracene	0 014 U	0 014 U
Benzo(a)anthracene	0 014 U	0 014 U	Benzo(a)anthracene	0 014 U	0 014 U
Benzo(b)fluoranthene	0 014 U	0 014 U	Benzo(b)fluoranthene	0 014 U	0 014 U
Benzo(k)fluoranthene	0 014 U	0.014 U	Benzo(k)fluoranthene	0 014 U	0 014 U
Benzo(a)pyrene	0 014 U	0 014 U	Benzo(a)pyrene	0 014 U	0 014 U
Benzo(g,h,i)perylene	0 014 U	0 014 U	Benzo(g,h,i)perylene	0 014 U	0 014 U
Chrysene	0 014 U	0 014 U	Chrysene	0 014 U	0 014 U
Dibenzo(a,h)anthracene	0 014 U	0 014 U	Dibenzo(a,h)anthracene	0 014 U	0 014 U
Fluoranthene	0 014 U	0 014 U	Fluoranthene	0 014 U	0 014 U
Fluorene	0 014 U	0 014 U	Fluorene	0 014 U	0 014 U
Indeno(1,2,3-cd)pyrene	0 014 U	0 014 U	Indeno(1,2,3-cd)pyrene	0 014 U	0 014 U
Naphthalene	0 19	0 17	Naphthalene	0.17	0 20
Phenanthrene	0 014 U	0 014 U	Phenanthrene	0 014 U	0 014 U
Pyrene	0.014 U	0 014 U	Pyrene	0 014 U	0 014 U

Notes

- 1) $\mu\text{g}/\text{m}^3$ - microgram per cubic meter
- 2) $\mu\text{g}/\text{std. m}^3$ - micrograms per standard cubic meter
- 3) U - compound not detected, reporting limit shown

Table 2 (Continued)
24-Hour Perimeter Ambient Air Monitoring Data Summary
Soil Remediation Activities
Waukegan Manufactured Gas & Coke Plant Site

Date 3/17/2005	Sample Location and Concentration		Date 3/18/2005	Sample Location and Concentration	
Compound/Analyte	Station 1	Station 2	Compound/Analyte	Station 1	Station 2
BTEX (µg/m ³)			BTEX (µg/m ³)		
Benzene	1.4	1.0	Benzene	0.97	1.7
Ethylbenzene	0.87 U	0.87 U	Ethylbenzene	0.87 U	0.87 U
Toluene	1.9	0.91	Toluene	2.2	1.9
o-Xylene	0.87 U	0.87 U	o-Xylene	0.87 U	0.87 U
m-Xylene & p-Xylene	1.1	0.87 U	m-Xylene & p-Xylene	0.87 U	0.87 U
PAHs (µg/std. m ³)			PAHs (µg/std. m ³)		
Acenaphthene	0.023 J	0.016 UJ	Acenaphthene	0.025 J	0.037 J
Acenaphthylene	0.014 UJ	0.016 UJ	Acenaphthylene	0.014 UJ	0.016 J
Anthracene	0.014 UJ	0.016 UJ	Anthracene	0.014 UJ	0.015 UJ
Benzo(a)anthracene	0.014 UJ	0.016 UJ	Benzo(a)anthracene	0.014 UJ	0.015 UJ
Benzo(b)fluoranthene	0.014 UJ	0.016 UJ	Benzo(b)fluoranthene	0.014 UJ	0.015 UJ
Benzo(k)fluoranthene	0.014 UJ	0.016 UJ	Benzo(k)fluoranthene	0.014 UJ	0.015 UJ
Benzo(a)pyrene	0.014 UJ	0.016 UJ	Benzo(a)pyrene	0.014 UJ	0.015 UJ
Benzo(g,h,i)perylene	0.014 UJ	0.016 UJ	Benzo(g,h,i)perylene	0.014 UJ	0.015 UJ
Chrysene	0.014 UJ	0.016 UJ	Chrysene	0.014 UJ	0.015 UJ
Dibenzo(a,h)anthracene	0.014 UJ	0.016 UJ	Dibenzo(a,h)anthracene	0.014 UJ	0.015 UJ
Fluoranthene	0.014 UJ	0.016 UJ	Fluoranthene	0.014 UJ	0.015 UJ
Fluorene	0.039 J	0.016 J	Fluorene	0.041 J	0.052 J
Indeno(1,2,3-cd)pyrene	0.014 UJ	0.016 UJ	Indeno(1,2,3-cd)pyrene	0.014 UJ	0.015 UJ
Naphthalene	1.6 J	0.89 J	Naphthalene	1.6 J	4.9 J
Phenanthrene	0.027 J	0.016 UJ	Phenanthrene	0.027 J	0.028 J
Pyrene	0.014 UJ	0.016 UJ	Pyrene	0.014 UJ	0.015 UJ

Notes

- 1) µg/m³ - microgram per cubic meter
- 2) µg/std. m³ - micrograms per standard cubic meter
- 3) U - compound not detected, reporting limit shown
- 4) J - indicates an estimated value

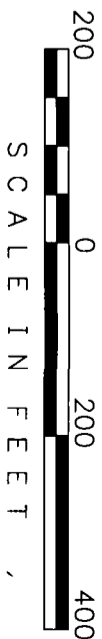
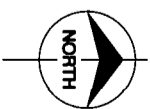
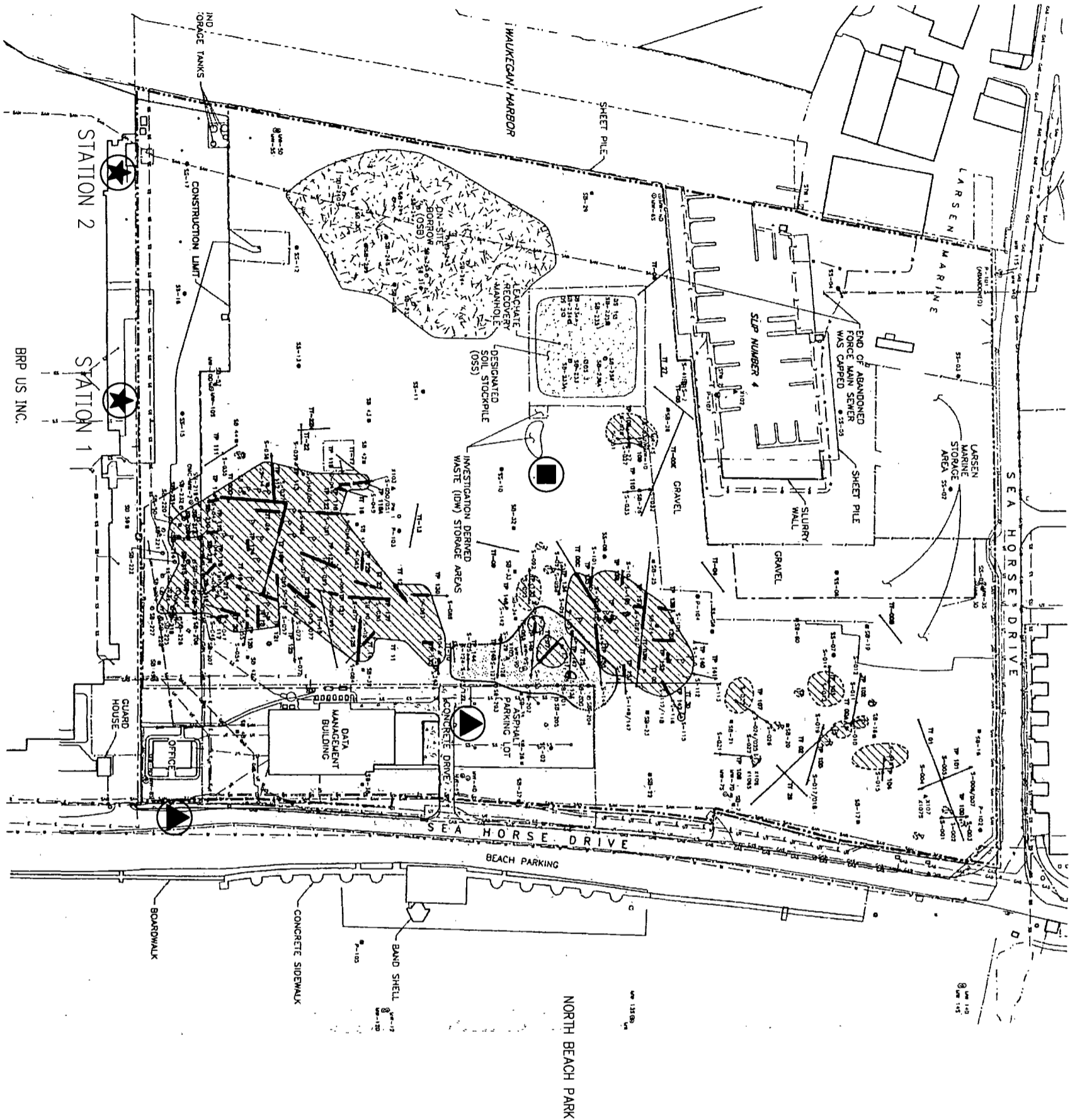
Table 2 (Continued)
24-Hour Perimeter Ambient Air Monitoring Data Summary
Soil Remediation Activities
Waukegan Manufactured Gas & Coke Plant Site

Date 3/21/2005	Sample Location and Concentration	
Compound/Analyte	Station 1	Station 2
BTEX ($\mu\text{g}/\text{m}^3$)		
Benzene	1.6	2.4
Ethylbenzene	0.87 U	0.87 U
Toluene	2.3	3.7
o-Xylene	0.87 U	1.1
m-Xylene & p-Xylene	1.5	3.3
PAHs ($\mu\text{g}/\text{std m}^3$)		
Acenaphthene	0.050	0.044
Acenaphthylene	0.031	0.022
Anthracene	0.014 U	0.016 U
Benzo(a)anthracene	0.014 U	0.016 U
Benzo(b)fluoranthene	0.014 U	0.016 U
Benzo(k)fluoranthene	0.014 U	0.016 U
Benzo(a)pyrene	0.014 U	0.016 U
Benzo(g,h,i)perylene	0.014 U	0.016 U
Chrysene	0.014 U	0.016 U
Dibenzo(a,h)anthracene	0.014 U	0.016 U
Fluoranthene	0.014 U	0.016 U
Fluorene	0.10	0.098
Indeno(1,2,3-cd)pyrene	0.014 U	0.016 U
Naphthalene	6.1	15
Phenanthrene	0.056	0.044
Pyrene	0.014 U	0.016 U

Notes

- 1) $\mu\text{g}/\text{m}^3$ - microgram per cubic meter
- 2) $\mu\text{g}/\text{std m}^3$ - micrograms per standard cubic meter
- 3) U - compound not detected, reporting limit shown

Figure
Completion Report for Perimeter Ambient Air Monitoring
Waukegan Manufactured Gas & Coke Plant Site



LEGEND

- ★ REAL-TIME AND 24-HOUR AMBIENT AIR MONITORING STATION LOCATION- ALL MONTHS
- REAL-TIME AMBIENT AIR MONITORING LOCATION- DECEMBER 2004 AND JANUARY 2005
- ▲ REAL-TIME AMBIENT AIR MONITORING LOCATION- MARCH 2005

FIGURE 1
PERIMETER AMBIENT AIR MONITORING
STATION LOCATION MAP
WAUKEGAN MANUFACTURED
GAS & COKE PLANT SITE

DAILY AIR MONITORING DATA LOGS
REMEDIATION ACTION
WAUKEGAN MANUFACTURING GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
12/2/2004	30's Cloudy	From Northwest	11:25	1	Southeast Corner of PAH Zone	Excavating	0	None	<1	-	Downwind PAML ³
12/2/2004	30's Cloudy	From Northwest	11:35	2	Southeast Corner of Data Management Bldg	Excavating	0	None	<1	-	Downwind TAML ⁴
12/2/2004	30's Cloudy	From Northwest	11:45	3	East of Asphalt Parking Lot	Excavating	0	None	<1	-	Upwind TAML
12/2/2004	30's Cloudy	From Northwest	11:50	4	North End of PAH Zone	Excavating	0	None	<1	-	Upwind PAML
12/2/2004	30's Cloudy	From Northwest	14:05	1	Southeast Corner of PAH Zone	Excavating	0	None	<1	-	Downwind PAML
12/2/2004	30's Cloudy	From Northwest	14:10	2	Southeast Corner of Data Management Bldg	Excavating	0	None	<1	-	Downwind TAML
12/2/2004	30's Cloudy	From Northwest	14:15	3	East of Asphalt Parking Lot	Excavating	0	None	<1	-	Upwind TAML
12/2/2004	30's Cloudy	From Northwest	14:20	4	North End of PAH Zone	Excavating	0	None	<1	-	Upwind PAML
12/2/2004	30's Cloudy	From Northwest	14:45-15:00	-	Southeast End of Excavation Area	Excavating	-	-	-	0	Downwind

¹ - mg/m³ - milligrams per cubic meter

² - ppm - parts per million

³ - PAML - perimeter air monitoring location

⁴ - TAML - temporary air monitoring location

⁵ - PID - photoionization detector

DAILY AIR MONITORING DATA LOGS
 REMEDIATION
 WAUKEGAN MANUFACTURING GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

Date	Weather	Wind Direction	Time	Loc. #	Description	Activity	Airborne Particulate (mg/m3) ¹	Visual Dust	PID ⁵ (ppm) ²	Benzene Dreager Tube (ppm)	Comment
12/3/2004	40's Sunny	From Northwest	10:15	1	Southeast Corner of PAH Zone	Excavating	0	None	<1	-	Downwind PAML
12/3/2004	40's Sunny	From Northwest	10:20	2	Southeast Corner of Data Management Bldg	Excavating	0	None	<1	-	Downwind TAML
12/3/2004	40's Sunny	From Northwest	10:30	3	East of Asphalt Parking Lot	Excavating	0.002	None	<1	-	Upwind TAML
12/3/2004	40's Sunny	From Northwest	10:35	4	North End of PAH Zone	Excavating	0.001	None	<1	-	Upwind PAML
12/3/2004	40's Sunny	From Northwest	13:45	1	Southeast Corner of PAH Zone	Excavating	0.001	None	<1	-	Downwind PAML
12/3/2004	40's Sunny	From Northwest	13:50	2	Southeast Corner of Data Management Bldg	Excavating	0.002	None	<1	-	Downwind TAML
12/3/2004	40's Sunny	From Northwest	13:55	3	East of Asphalt Parking Lot	Excavating	0.002	None	<1	-	Upwind TAML
12/3/2004	40's Sunny	From Northwest	14:00	4	North End of PAH Zone	Excavating	0.001	None	<1	-	Upwind PAML
12/3/2004	40's Sunny	From Northwest	14:30-14:45	-	Southeast End of Excavation Area	Excavating	-	-	-	0	Downwind

¹ - mg/m³ - milligrams per cubic meter

² - ppm - parts per million

³ - PAML - perimeter air monitoring location

⁴ - TAML - temporary air monitoring location

⁵ - PID - photoionization detector

DAILY AIR MONITORING DATA LOGS
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

Date	Weather	Wind Direction	Time	Loc. #	Description	Activity	Airborne Particulate (mg/m3) ¹	Visual Dust	PID ⁵ (ppm) ²	Benzene Dreager Tube (ppm)	Comment
12/6/2004	50's Light Drizzle	From Southeast	10:00	1	Southeast Corner of PAH Zone	Excavating	0.004	None	<1	-	Upwind PAML
12/6/2004	50's Light Drizzle	From Southeast	10:05	2	Southeast Corner of Data Management Bldg.	Excavating	0.003	None	<1	-	Upwind TAML
12/6/2004	50's Light Drizzle	From Southeast	10:10	3	East of Asphalt Parking Lot	Excavating	0.004	None	<1	-	Downwind TAML
12/6/2004	50's Light Drizzle	From Southeast	10:12	4	North End of PAH Zone	Excavating	0.007	None	<1	-	Downwind TAML
12/6/2004	50's Light Drizzle	From Southeast	11:30-11:45	-	Northwest End of Excavation Area	Excavating	-	-	-	0	Downwind
12/6/2004	50's Light Drizzle	From Southeast	13:30	1	Southeast Corner of PAH Zone	Excavating	0.007	None	<1	-	Upwind PAML
12/6/2004	50's Light Drizzle	From Southeast	13:40	2	Southeast Corner of Data Management Bldg.	Excavating	0.006	None	<1	-	Upwind TAML
12/6/2004	50's Light Drizzle	From Southeast	13:45	3	East of Asphalt Parking Lot	Excavating	0.005	None	<1	-	Downwind TAML
12/6/2004	50's Light Drizzle	From Southeast	13:52	4	North End of PAH Zone	Excavating	0.005	None	<1	-	Downwind TAML Upwind TAML

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² - ppm - parts per million

³ - PAML - perimeter air monitoring location

⁴ - TAML - temporary air monitoring location

⁵ - PID - photoionization detector

DAILY AIR MONITORING DATA LOGS
 REMEDIATION ACTION
 WAUKEGAN MANUFACTURING GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

Date	Weather	Wind Direction	Time	Loc. #	Description	Activity	Airborne Particulate (mg/m3) ¹	Visual Dust	PID ⁵ (ppm) ²	Benzene Dreager Tube (ppm)	Comment
12/7/2004	50's Rain	From Northwest	10 45	1	Southeast Corner of PAH Zone	Loading & T&D	0	None	<1	-	Downwind PAML
12/7/2004	50's Rain	From Northwest	10 50	2	Southeast Corner of Data Management Bldg	Loading & T&D	0	None	<1	-	Downwind TAML
12/7/2004	50's Rain	From Northwest	10 55	3	East of Asphalt Parking Lot	Loading & T&D	0	None	<1	-	Upwind TAML
12/7/2004	50's Rain	From Northwest	11 00	4	North End of PAH Zone	Loading & T&D	0	None	<1	-	Upwind PAML
12/7/2004	50's Rain	From Northwest	13 33	1	Southeast Corner of PAH Zone	Loading & T&D	0	None	<1	-	Downwind PAML
12/7/2004	50's Rain	From Northwest	13 40	2	Southeast Corner of Data Management Bldg	Loading & T&D	0	None	<1	-	Downwind TAML
12/7/2004	50's Rain	From Northwest	13 44	3	East of Asphalt Parking Lot	Loading & T&D	0	None	<1	-	Upwind TAML
12/7/2004	50's Rain	From Northwest	13 48	4	North End of PAH Zone	Loading & T&D	0	None	<1	-	Upwind PAML
12/7/2004	50's Rain	From Northwest	14 25-14 40	-	Southeast of Category 1 Soil Stockpile	Loading & T&D	-	-	-	0	Downwind

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dräger Tube (ppm)</i>	<i>Comment</i>
12/8/2004	40's cloudy	From Southwest	9:25	5	Southwest Corner of PAH Zone	Exc., Loading, & T&D	0.002	None	0.1	-	Upwind PAML
12/8/2004	40's cloudy	From Southwest	9:34	2	Southeast Corner of Data Management Bldg.	Exc., Loading, & T&D	0.003	None	0.1	-	Upwind TAML
12/8/2004	40's cloudy	From Southwest	9:40	3	East of Asphalt Parking Lot	Exc., Loading, & T&D	0.005	None	0.1	-	Downwind TAML
12/8/2004	40's cloudy	From Southwest	9:50	6	Northeast Corner of Site	Exc., Loading, & T&D	0.004	None	0	-	Downwind PAML
12/8/2004	40's cloudy	From Southwest	14:25-14:40	-	Northeast End of Excavation Area	Exc., Loading, & T&D	-	-	-	0	Downwind
12/8/2004	40's cloudy	From Southwest	14:45	5	Southwest Corner of PAH Zone	Exc., Loading, & T&D	0.001	None	0.1	-	Upwind PAML
12/8/2004	40's cloudy	From Southwest	14:50	2	Southeast Corner of Data Management Bldg.	Exc., Loading, & T&D	0.003	None	0.1	-	Upwind TAML
12/8/2004	40's cloudy	From Southwest	14:55	3	East of Asphalt Parking Lot	Exc., Loading, & T&D	0.004	None	0.1	-	Downwind TAML
12/8/2004	40's cloudy	From Southwest	15:00	6	Northeast Corner of Site	Exc., Loading, & T&D	0.004	None	0	-	Downwind PAML

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DAILY AIR MONITORING DATA LOGS
REMEDIATION
WAUKEGAN MANUFACTURING GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
12/9/2004	40's partly sunny	From Southeast	9:59	1	Southeast Corner of PAH Zone	Exc., Loading, & T&D	0.003	None	0.2	-	Upwind PAML
12/9/2004	40's partly sunny	From Southeast	10:02	2	Southeast Corner of Data Management Bldg.	Exc., Loading, & T&D	0	None	0.1	-	Upwind TAML
12/9/2004	40's partly sunny	From Southeast	10:05	3	East of Asphalt Parking Lot	Exc., Loading, & T&D	0.003	None	0.1	-	Downwind TAML
12/9/2004	40's partly sunny	From Southeast	10:12	4	North End of PAH Zone	Exc., Loading, & T&D	0.005	None	0.1	-	Downwind PAML
12/9/2004	40's partly sunny	From Southeast	12:56	1	Southeast Corner of PAH Zone	Exc., Loading, & T&D	0.003	None	0.2	-	Upwind PAML
12/9/2004	40's partly sunny	From Southeast	12:58	2	Southeast Corner of Data Management Bldg.	Exc., Loading, & T&D	0.003	None	0.1	-	Upwind TAML
12/9/2004	40's partly sunny	From Southeast	13:01	3	East of Asphalt Parking Lot	Exc., Loading, & T&D	0.003	None	0	-	Downwind TAML
12/9/2004	40's partly sunny	From Southeast	13:04	4	North End of PAH Zone	Exc., Loading, & T&D	0.004	None	0	-	Downwind PAML
12/9/2004	40's partly sunny	From Southeast	13:50-14:05	-	Northwest End of Excavation Area	Exc., Loading, & T&D	-	-	-	0	Downwind

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⁵ - PID - photoionization detector

**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
12/10/2004	40's	From Northwest	8:47	5	Southwest Corner of PAH Zone	Exc., Loading, & T&D	0	None	0	-	Downwind PAML
12/10/2004	40's	From Northwest	8:51	1	Southeast Corner of PAH Zone	Exc., Loading, & T&D	0	None	0	-	Downwind PAML
12/10/2004	40's	From Northwest	8:53	2	Southeast Corner of Data Management Bldg.	Exc., Loading, & T&D	0	None	0	-	Downwind TAML
12/10/2004	40's	From Northwest	8:57	3	East of Asphalt Parking Lot	Exc., Loading, & T&D	0	None	0	-	Upwind TAML
12/10/2004	40's	From Northwest	9:00	4	North End of PAH Zone	Exc., Loading, & T&D	0	None	0	-	Upwind PAML
12/10/2004	40's	From Northwest	11:00-11:30	1	Southeast Corner of PAH Zone	Exc., Loading, & T&D Consolidating Cat. 1	-	-	-	0	Downwind
12/10/2004	40's	From Northwest	13:05	5	Southwest Corner of PAH Zone	Stockpile Consolidating Cat. 1	0	None	0	-	Downwind PAML
12/10/2004	40's	From Northwest	13:07	1	Southeast Corner of PAH Zone	Stockpile Consolidating Cat. 1	0	None	0.1	-	Downwind PAML
12/10/2004	40's	From Northwest	13:11	2	Southeast Corner of Data Management Bldg.	Stockpile Consolidating Cat. 1	0	None	0	-	Downwind TAML
12/10/2004	40's	From Northwest	13:18	3	East of Asphalt Parking Lot	Stockpile	0	None	0	-	Upwind TAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIATION
 WAUKEGAN MANUFACTURING AS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

Date	Weather	Wind Direction	Time	Loc. #	Description	Activity	Airborne Particulate (mg/m ³) ¹	Visual Dust	PID ⁵ (ppm) ²	Benzene Dreager Tube (ppm)	Comment
12/13/2004	20's	From West	9:22	5	Southwest Corner of PAH Zone	Exc., Loading, & T&D	0	None	0	-	Upwind PAML
12/13/2004	20's	From West	9:25	2	Southeast Corner of Data Management Bldg.	Exc., Loading, & T&D	0.001	None	0	-	Downwind TAML
12/13/2004	20's	From West	9:29	3	East of Asphalt Parking Lot	Exc., Loading, & T&D	0	None	0	-	Downwind TAML
12/13/2004	20's	From West	14:34	4	North End of PAH Zone	Exc., Loading, & T&D	0	None	0	-	Upwind PAML
12/13/2004	20's	From West	14:39	6	Northeast Corner of Site	Exc., Loading, & T&D	0	None	0	-	Downwind PAML
12/13/2004	20's	From West	14:45	3	East of Asphalt Parking Lot	Exc., Loading, & T&D	0.001	None	0	-	Downwind TAML
12/13/2004	20's	From West	15:00-15:30	6	Northeast Corner of Site	Exc., Loading, & T&D	-	-	-	0	Downwind

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⁵ - PID - photoionization detector

**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
12/14/2004	12 Cold	From West	8:58	1	Southeast Corner of PAH Zone	Exc., Loading, & T&D	0	None	0	-	Downwind PAML
12/14/2004	12 Cold	From West	9:01	2	Southeast Corner of Data Management Bldg.	Exc., Loading, & T&D	0	None	0	-	Downwind TAML
12/14/2004	12 Cold	From West	9:06	3	East of Asphalt Parking Lot	Exc., Loading, & T&D	0.003	None	0	-	Downwind TAML
12/14/2004	12 Cold	From West	9:10	6	Northeast Corner of Site	Exc., Loading, & T&D	0	None	0.4	-	Downwind PAML
12/14/2004	12 Cold	From West	9:16	4	North End of PAH Zone	Exc., Loading, & T&D	0.001	None	0.1	-	Upwind PAML
12/14/2004	12 Cold	From West	12:45-13:00	3	East of Asphalt Parking Lot	Exc., Loading, & T&D	-	-	-	0	Downwind
12/14/2004	12 Cold	From West	14:26	3	East of Asphalt Parking Lot	Exc., Loading, & T&D	0	None	0	-	Downwind TAML
12/14/2004	12 Cold	From West	14:32	4	North End of PAH Zone	Exc., Loading, & T&D	0.005	None	0.1	-	Upwind PAML
12/14/2004	12 Cold	From West	14:46	6	Northeast Corner of Site	Exc., Loading, & T&D	0.001	None	0	-	Downwind PAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIATION
 WAUKEGAN MANUFACTURING AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

Date	Weather	Wind Direction	Time	Loc. #	Description	Activity	Airborne Particulate (mg/m3) ¹	Visual Dust	PID ⁵ (ppm) ²	Benzene Dreager Tube (ppm)	Comment
12/15/2004	17 Cold	From S/Southwest	9:15	1	Southeast Corner of PAH Zone	Exc., Loading, & T&D	0	None	0.1	-	Upwind PAML
12/15/2004	17 Cold	From S/Southwest	9:20	2	Southeast Corner of Data Management Bldg.	Exc., Loading, & T&D	0	None	0.1	-	Downwind TAML
12/15/2004	17 Cold	From S/Southwest	9:23	3	East of Asphalt Parking Lot	Exc., Loading, & T&D	0.001	None	0.6	-	Downwind TAML
12/15/2004	17 Cold	From S/Southwest	9:32	6	Northeast Corner of Site	Exc., Loading, & T&D	0	None	0.2	-	Downwind PAML
12/15/2004	17 Cold	From S/Southwest	9:37	4	North End of PAH Zone	Exc., Loading, & T&D	0	None	0	-	Upwind PAML
12/15/2004	17 Cold	From S/Southwest	10:30-10:45	-	Near Office Trailers	Exc., Loading, & T&D	-	-	-	0	Downwind
12/15/2004	17 Cold	From S/Southwest	14:35	1	Southeast Corner of PAH Zone	Exc., Loading, & T&D	0	None	0	-	Upwind PAML
12/15/2004	17 Cold	From S/Southwest	14:40	3	East of Asphalt Parking Lot	Exc., Loading, & T&D	0.001	None	0	-	Downwind TAML
12/15/2004	17 Cold	From S/Southwest	14:42	4	North End of PAH Zone	Exc., Loading, & T&D	0	None	0	-	Upwind PAML
12/15/2004	17 Cold	From S/Southwest	14:45	6	Northeast Corner of Site	Exc., Loading, & T&D	0.002	None	0.1	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)¹</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
12/16/2004	30's	From Southwest	9:46	1	Southeast Corner of PAH Zone -	Exc., Loading, & T&D	0	None	0	-	Crosswind PAML
12/16/2004	30's	From Southwest	9:47	2	Southeast Corner of Data Management Bldg.	Exc., Loading, & T&D	0	None	0	-	Down/crosswind TAML
12/16/2004	30's	From Southwest	9:50	3	East of Asphalt Parking Lot	Exc., Loading, & T&D	0	None	0	-	Downwind TAML
12/16/2004	30's	From Southwest	9:53	4	North End of PAH Zone	Exc., Loading, & T&D	0	None	0	-	Upwind PAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIATION
 WAUKEGAN MANUFACTURING AS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

Date	Weather	Wind Direction	Time	Loc. #	Description	Activity	Airborne Particulate (mg/m3) ¹	Visual Dust	PID ⁵ (ppm) ²	Benzene Dreager Tube (ppm)	Comment
1/5/2005	20-30 Snowy, Windy	From Northeast	9:07	5	Southwest Corner of PAH Zone	Excavating Southern PAH Zone	0.008	None	0	-	Downwind PAML
1/5/2005	20-30 Snowy, Windy	From Northeast	9:12	2	Southeast Corner of Data Management Bldg	Excavating Southern PAH Zone	0.003	None	0	-	Upwind TAML
1/5/2005	20-30 Snowy, Windy	From Northeast	9:17	3	East of Asphalt Parking Lot	Excavating Southern PAH Zone	0.003	None	0	-	Upwind TAML
1/5/2005	20-30 Snowy, Windy	From Northeast	9:23	6	Northeast Corner of Site	Excavating Southern PAH Zone	0.004	None	0	-	Upwind PAML
1/5/2005	20-30 Snowy, Windy	From Northeast	12:15	5	Southwest Corner of PAH Zone	Excavating Southern PAH Zone	0.005	None	0	-	Downwind PAML
1/5/2005	20-30 Snowy, Windy	From Northeast	12:11	2	Southeast Corner of Data Management Bldg	Excavating Southern PAH Zone	0.009	None	0	-	Upwind TAML
1/5/2005	20-30 Snowy, Windy	From Northeast	12:07	3	East of Asphalt Parking Lot	Excavating Southern PAH Zone	0.008	None	0	-	Upwind TAML
1/5/2005	20-30 Snowy, Windy	From Northeast	12:00	6	Northeast Corner of Site	Excavating Southern PAH Zone	0.001	None	0	-	Upwind PAML

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³ - PAML - perimeter air monitoring location

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
1/6/2005	20's Cold	From Northwest	11:30	1	Southeast Corner of PAH Zone	Excavating Southern PAH Zone	0.004	None	0	-	Downwind PAML
1/6/2005	20's Cold	From Northwest	11:41	4	North End of PAH Zone	Excavating Southern PAH Zone	0.002	None	0	-	Upwind PAML
1/6/2005	20's Cold	From Northwest	13:00	1	Southeast Corner of PAH Zone	Excavating Southern PAH Zone	0.002	None	0	-	Downwind PAML
1/6/2005	20's Cold	From Northwest	13:05	4	North End of PAH Zone	Excavating Southern PAH Zone	0.002	None	0	-	Upwind PAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIATION
 WAUKEGAN MANUFACTURING GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

Date	Weather	Wind Direction	Time	Loc. #	Description	Activity	Airborne Particulate (mg/m ³) ¹	Visual Dust	PID ⁵ (ppm) ²	Benzene Dreager Tube (ppm)	Comment
1/7/2005	20's Cold	From South	10:48	1	Southeast Corner of PAH Zone	Excavating Southern PAH Zone	0.022	None	0	-	Upwind PAML
1/7/2005	20's Cold	From South	10:55	4	North End of PAH Zone	Excavating Southern PAH Zone	0.027	None	0	-	Downwind PAML
1/7/2005	20's Cold	From South	13:52	1	Southeast Corner of PAH Zone	Excavating Southern PAH Zone	0.012	None	0	-	Upwind PAML
1/7/2005	20's Cold	From South	14:04	4	North End of PAH Zone	Excavating Southern PAH Zone	0.016	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Atborne Particulate (mg/m3) ¹</i>	<i>Visual Dust</i>	<i>PID ⁵ (ppm) ²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
1/10/2005	30's	From Northwest	10 06	1	Southeast Corner of PAH Zone	Excavating Southern PAH Zone	0.025	None	0	-	Downwind PAML
1/10/2005	30's	From Northwest	10 16	4	North End of PAH Zone	Excavating Southern PAH Zone	0.021	None	0	-	Upwind PAML
1/10/2005	30's	From Northwest	13 08	1	Southeast Corner of PAH Zone	Excavating Southern PAH Zone	0.038	None	0	-	Downwind PAML
1/10/2005	30's	From Northwest	13 14	4	North End of PAH Zone	Excavating Southern PAH Zone	0.039	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURING AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
1/11/05	30's Light Rain	From Northeast	9:36	5	Southwest Corner of PAH Zone	Excavating Southern PAH Zone	0.016	None	0	-	Downwind PAML
1/11/05	30's Light Rain	From Northeast	9:44	6	Northeast Corner of Site	Excavating Southern PAH Zone	0.019	None	0	-	Upwind PAML
1/11/05	30's Light Rain	From Northeast	13:40	5	Southwest Corner of PAH Zone	Excavating Southern PAH Zone	0.002	None	0	-	Downwind PAML
1/11/05	30's Light Rain	From Northeast	13:30	6	Northeast Corner of Site	Excavating Southern PAH Zone	0.01	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
1/14/05	Mostly sunny to partly cloudy, much colder, High 13F	From WNW	12 00	4	North End of PAH Zone	Consolidating Cat 2 Stockpiles	0 009	None	0	-	Upwind PAML
1/14/05	Mostly sunny to partly cloudy, much colder,	From WNW	11 38	2	Southeast Corner of Data Management Bldg	Consolidating Cat 2 Stockpiles	0 005	None	0	-	Downwind PAML
1/14/05	Mostly sunny to partly cloudy, much colder,	From WNW	13 35	4	North End of PAH Zone	Consolidating Cat 2 Stockpiles	0 008	None	0	-	Upwind PAML
1/14/05	Mostly sunny to partly cloudy, much colder,	From WNW	13 31	2	Southeast Corner of Data Management Bldg	Consolidating Cat 2 Stockpiles	0 005	None	0	-	Downwind PAML

¹ - mg/m³ - milligrams per cubic meter

² - ppm - parts per million

³ - PAML - perimeter air monitoring location

⁴ - TAML - temporary air monitoring location

⁵ - PID - photoionization detector

DAILY AIR MONITORING DATA LOGS
 REMEDIATION
 WAUKEGAN MANUFACTURING AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3) ¹</i>	<i>Visual Dust</i>	<i>PID ⁵ (ppm) ²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
1/21/05	20's	From Southeast	9:56	1	Southeast Corner of PAH Zone	T&D-Catergory 2 Soil	0.001	None	0	-	Upwind PAML
1/21/05	20's	From Southeast	10:02	4	North End of PAH Zone	T&D-Catergory 2 Soil	0.003	None	0	-	Downwind PAML
1/21/05	20's	From Southeast	13:36	1	Southeast Corner of PAH Zone	T&D-Catergory 2 Soil	0.002	None	0	-	Upwind PAML
1/21/05	20's	From Southeast	13:41	4	North End of PAH Zone	T&D-Catergory 2 Soil	0.003	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
1/25/05	Considerable Cloudiness, High 36F	From SW	8 39	5	Southwest Corner of PAH Zone	T&D-Catergory 2 Soil	0 06	None	0	-	Upwind PAML
1/25/05	Considerable Cloudiness, High 36F	From SW	8 52	6	Northeast Corner of Site	T&D-Catergory 2 Soil	0 023	None	0	-	Downwind PAML
1/25/05	Considerable Cloudiness, High 36F	From SW	12 20	5	Southwest Corner of PAH Zone	T&D-Catergory 2 Soil	0 05	None	0	-	Upwind PAML
1/25/05	Considerable Cloudiness, High 36F	From SW	12 23	6	Northeast Corner of Site	T&D-Catergory 2 Soil	0 024	None	0	-	Downwind PAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIA ON
 WAUKEGAN MANUFACTURING AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

Date	Weather	Wind Direction	Time	Loc. #	Description	Activity	Airborne Particulate (mg/m ³) ¹	Visual Dust	PID ⁵ (ppm) ²	Benzene Dräger Tube (ppm)	Comment
1/26/05	Variable clouds with snow showers or flurries expected. High 30F	From N	8:52	5	Southwest Corner of PAH Zone	T&D-Category 2 Soil	0.002	None	0	-	Downwind PAML
1/26/05	Variable clouds with snow showers or flurries expected. High 30F	From N	9:07	4	North End of PAH Zone	T&D-Category 2 Soil	0.004	None	0	-	Upwind PAML
1/26/05	Variable clouds with snow showers or flurries expected. High 30F	From N	12:45	5	Southwest Corner of PAH Zone	T&D-Category 2 Soil	0	None	0	-	Downwind PAML
1/26/05	Variable clouds with snow showers or flurries expected. High 30F	From N	12:54	4	North End of PAH Zone	T&D-Category 2 Soil	0	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
1/27/05	Partly cloudy, High 24F	From E	11 01	2	Southwest Corner of Data Management Bldg	T&D-Catergory 2 Soil and Excavation Activities	0.003	None	0	-	Upwind TAML
1/27/05	Partly cloudy, High 24F	From E	11 06	5	Southwest Corner of PAH Zone	T&D-Catergory 2 Soil and Excavation Activities	0.001	None	0	-	Downwind PAML
1/27/05	Partly cloudy, High 24F	From E	13 12	2	Southwest Corner of Data Management Bldg	T&D-Catergory 2 Soil and Excavation Activities	0.004	None	0	-	Upwind TAML
1/27/05	Partly cloudy, High 24F	From E	13 18	5	Southwest Corner of PAH Zone	T&D-Catergory 2 Soil and Excavation Activities	0.001	None	0	-	Downwind PAML

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DAILY AIR MONITORING DATA LOG
 REMEDIATION
 WAUKEGAN MANUFACTURING AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
1/28/05	Clouds and some sun High 29F	From SE	9:16	1	Southeast Corner of PAH Zone	T&D-Category 2 Soil and Excavation Activities in Northern PAH Zones	0.006	None	0	-	Upwind PAML
1/28/05	Clouds and some sun High 29F	From SE	9:22	4	North End of PAH Zone	T&D-Category 2 Soil and Excavation Activities in Northern PAH Zones	0.008	None	0	-	Downwind PAML
1/28/05	Clouds and some sun High 29F	From SE	12:53	1	Southeast Corner of PAH Zone	T&D-Category 2 Soil and Excavation Activities in Northern PAH Zones	0.009	None	0	-	Upwind PAML
1/28/05	Clouds and some sun High 29F	From SE	12:59	4	North End of PAH Zone	T&D-Category 2 Soil and Excavation Activities in Northern PAH Zones	0.011	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID³ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
1/31/05	Generally cloudy, High 33F	From SSE	8:48	1	Southeast Corner of PAH Zone	T&D-Category 2 Soil and Excavation Activities in Northern PAH Zones	0.024	None	0	-	Upwind PAML
1/31/05	Generally cloudy, High 33F	From SSE	8:56	4	North End of PAH Zone	T&D-Category 2 Soil and Excavation Activities in Northern PAH Zones	0.032	None	0	-	Downwind PAML
1/31/05	Generally cloudy, High 33F	From SSE	12:28	1	Southeast Corner of PAH Zone	T&D-Category 2 Soil and Excavation Activities in Northern PAH Zones	0.04	None	0	-	Upwind PAML
1/31/05	Generally cloudy, High 33F	From SSE	12:32	4	North End of PAH Zone	T&D-Category 2 Soil and Excavation Activities in Northern PAH Zones	0.038	None	0	-	Downwind PAML

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DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURING AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/1/05	Mostly cloudy skies. High 34F	Calm	9:34	1	Southeast Corner of PAH Zone	T&D-Category 2 Soil and Excavation Activities in Northern PAH Zones	0.013	None	0	-	Calm Wind
2/1/05	Mostly cloudy skies. High 34F	Calm	9:42	4	North End of PAH Zone	T&D-Category 2 Soil and Excavation Activities in Northern PAH Zones	0.015	None	0	-	Calm Wind
2/1/05	Mostly cloudy skies. High 34F	Calm	12:58	1	Southeast Corner of PAH Zone	T&D-Category 2 Soil and Excavation Activities in Northern PAH Zones	0.013	None	0	-	Calm Wind
2/1/05	Mostly cloudy skies. High 34F	Calm	13:02	4	North End of PAH Zone	T&D-Category 2 Soil and Excavation Activities in Northern PAH Zones	0.014	None	0	-	Calm Wind

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/2/05	AM Clouds, PM Sun, High 35F	Calm	8 18	1	Southeast Corner of PAH Zone	T&D-CAT 2 Soil and Excavation Activities in the Southern PAH Zone	0.042	None	0	-	Calm Wind
2/2/05	AM Clouds, PM Sun, High 35F	Calm	8 23	4	North End of PAH Zone	T&D-CAT 2 Soil and Excavation Activities in the Southern PAH Zone	0.045	None	0	-	Calm Wind
2/2/05	AM Clouds, PM Sun, High 35F	Calm	13 18	1	Southeast Corner of PAH Zone	T&D-CAT 2 Soil and Excavation Activities in the Southern PAH Zone	0.036	None	0	-	Calm Wind
2/2/05	AM Clouds, PM Sun, High 35F	Calm	13 23	4	North End of PAH Zone	T&D-CAT 2 Soil and Excavation Activities in the Southern PAH Zone	0.032	None	0	-	Calm Wind

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DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURING AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/3/05	Mostly Sunny, High 38F	From Southwest	10:45	5	Southwest Corner of PAH Zone	T&D-CAT 2 Soil and Excavation Activities in the Southern PAH Zone	0.036	None	0	-	Upwind PAML
2/3/05	Mostly Sunny, High 38F	From Southwest	10:58	6	Northeast Corner of Site	T&D-CAT 2 Soil and Excavation Activities in the Southern PAH Zone	0.039	None	0	-	Downwind PAML
2/3/05	Mostly Sunny, High 38F	From Southwest	11:11	5	Southwest Corner of PAH Zone	T&D-CAT 2 Soil and Excavation Activities in the Southern PAH Zone	0.029	None	0	-	Upwind PAML
2/3/05	Mostly Sunny, High 38F	From Southwest	11:05	6	Northeast Corner of Site	T&D-CAT 2 Soil and Excavation Activities in the Southern PAH Zone	0.032	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/4/05	Mostly sunny, High 44F	From SSW	8:17	5	Southwest Corner of PAH Zone	T&D-CAT 2 Soil and Excavation Activities in the Southern PAH Zone	0.139	None	0	-	Upwind PAML
2/4/05	Mostly sunny, High 44F	From SSW	8:28	6	Northeast Corner of Site	T&D-CAT 2 Soil and Excavation Activities in the Southern PAH Zone	0.135	None	0	-	Downwind PAML
2/4/05	Mostly sunny, High 44F	From SSW	12:38	5	Southwest Corner of PAH Zone	T&D-CAT 2 Soil and Excavation Activities in the Southern PAH Zone	0.075	None	0	-	Upwind PAML
2/4/05	Mostly sunny, High 44F	From SSW	12:46	6	Northeast Corner of Site	T&D-CAT 2 Soil and Excavation Activities in the Southern PAH Zone	0.068	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURING AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁴ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/7/05	Light rain and drizzle likely. High 42F	From E	8:17	2	Southeast Corner of Data Management Bldg	T&D-CAT 2 Soil	0.074	None	0	-	Upwind TAML
2/7/05	Light rain and drizzle likely. High 42F	From E	8:25	5	Southwest Corner of PAH Zone	T&D-CAT 2 Soil	0.089	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/8/05	Cloudy, High 32F	From NNE	9:40	6	Northeast Corner of Site	Breaking concrete	0.005	None	0	-	Upwind PAML
2/8/05	Cloudy, High 32F	From NNE	9:49	5	Southwest Corner of PAH Zone	Breaking concrete	0.003	None	0	-	Downwind PAML
2/8/05	Cloudy, High 32F	From NNE	12:39	6	Northeast Corner of Site	Breaking concrete	0.003	None	0	-	Upwind PAML
2/8/05	Cloudy, High 32F	From NNE	12:46	5	Southwest Corner of PAH Zone	Breaking concrete	0.004	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURING AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/9/05	AM Snow, PM Cloudy Skies, High 28F	From NW	10:10	1	Southeast Corner of PAH Zone	Breaking concrete and excavation activities in southern PAH zone and northern PAH Zones	0.006	None	0	-	Downwind PAML
2/9/05	AM Snow, PM Cloudy Skies, High 28F	From NW	10:16	4	North End of PAH Zone	Breaking concrete and excavation activities in southern PAH zone and northern PAH Zones	0.008	None	0	-	Upwind PAML
2/9/05	AM Snow, PM Cloudy Skies, High 28F	From NW	12:58	1	Southeast Corner of PAH Zone	Breaking concrete and excavation activities in southern PAH zone and northern PAH Zones	0.009	None	0	-	Downwind PAML
2/9/05	AM Snow, PM Cloudy Skies, High 28F	From NW	13:04	4	North End of PAH Zone	Breaking concrete and excavation activities in southern PAH zone and northern PAH Zones	0.011	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)¹</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/10/05	Mostly sunny, High 30F	From NW	8 56	1	Southeast Corner of PAH Zone	Excavation activities in northern PAH Zones	0 013	None	0	-	Downwind PAML
2/10/05	Mostly sunny, High 30F	From NW	9 01	4	North End of PAH Zone	Excavation activities in northern PAH Zones	0 014	None	0	-	Upwind PAML
2/10/05	Mostly sunny, High 30F	From NW	12 53	1	Southeast Corner of PAH Zone	Excavation activities in northern PAH Zones	0 014	None	0	-	Downwind PAML
2/10/05	Mostly sunny, High 30F	From NW	13 00	4	North End of PAH Zone	Excavation activities in northern PAH Zones	0 011	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GASES AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/11/05	Partly cloudy, High 36F	From WNW	9 25	1	Southeast Corner of PAH Zone	Excavation activities in northern PAH Zones	0.033	None	0	-	Downwind PAML
2/11/05	Partly cloudy, High 36F	From WNW	9 30	4	North End of PAH Zone	Excavation activities in northern PAH Zones	0.036	None	0	-	Upwind PAML
2/11/05	Partly cloudy, High 36F	From WNW	14 26	1	Southeast Corner of PAH Zone	Excavation activities in northern PAH Zones	0.014	None	0	-	Downwind PAML
2/11/05	Partly cloudy, High 36F	From WNW	14 31	4	North End of PAH Zone	Excavation activities in northern PAH Zones	0.049	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/17/05	AM Scattered snow flurries, PM partly cloudy, High 27F	From WNW	11 27	5	Southwest Corner of PAH Zone	Excavation activities in northern Arsenic Zone ₁	0.011	None	0	-	Upwind PAML
2/17/05	AM Scattered snow flurries, PM partly cloudy, High 27F	From WNW	11 31	2	Southeast Corner of Data Management Bldg	Excavation activities in northern Arsenic Zone	0.052	None	0	-	Downwind PAML
2/17/05	AM Scattered snow flurries, PM partly cloudy, High 27F	From WNW	14 33	5	Southwest Corner of PAH Zone	Excavation activities in northern Arsenic Zone	0.012	None	0	-	Upwind PAML
2/17/05	AM Scattered snow flurries, PM partly cloudy, High 27F	From WNW	14 37	2	Southeast Corner of Data Management Bldg	Excavation activities in northern Arsenic Zone	0.05	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURING AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁴ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/18/05	Sunny, Cold, High 23F	From WNW	9:43	5	Southwest Corner of PAH Zone	Excavation activities in Arsenic Zone and T&D-CAT 2 Soil	0.001	None	0	-	Upwind PAML
2/18/05	Sunny, Cold, High 23F	From WNW	9:46	2	Southeast Corner of Data Management Bldg.	Excavation activities in Arsenic Zone and T&D-CAT 2 Soil	0.001	None	0	-	Downwind PAML
2/18/05	Sunny, Cold, High 23F	From WNW	14:00	5	Southwest Corner of PAH Zone	Excavation activities in Arsenic Zone and T&D-CAT 2 Soil	0.004	None	0	-	Upwind PAML
2/18/05	Sunny, Cold, High 23F	From WNW	14:03	2	Southeast Corner of Data Management Bldg.	Excavation activities in Arsenic Zone and T&D-CAT 2 Soil	0.082	None	0	-	Downwind PAML

¹ - mg/m³ - milligrams per cubic meter

² - ppm - parts per million

³ - PAML - perimeter air monitoring location

⁴ - TAML - temporary air monitoring location

⁵ - PID - photoionization detector

**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID³ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/21/05	Cloudy, High 35F	From NW	10 14	1	Southeast Corner of PAH Zone	Excavation activities in Southern PAH Zone and T&D-CAT 2 Soil	0.014	None	0	-	Upwind PAML
2/21/05	Cloudy, High 35F	From NW	10 24	4	North End of PAH Zone	Excavation activities in Southern PAH Zone and T&D-CAT 2 Soil	0.013	None	0	-	Downwind PAML
2/21/05	Cloudy, High 35F	From NW	12 48	1	Southeast Corner of PAH Zone	Excavation activities in Southern PAH Zone and T&D-CAT 2 Soil	0.011	None	0	-	Upwind PAML
2/21/05	Cloudy, High 35F	From NW	12 56	4	Southeast Corner of Data Management Bldg	Excavation activities in Southern PAH Zone and T&D-CAT 2 Soil	0.011	None	0	-	Downwind PAML

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DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURING AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dräger Tube (ppm)</i>	<i>Comment</i>
2/22/05	AM Clouds, PM Sun, High 34F	From NW	9:57	1	Southeast Corner of PAH Zone	T&D-CAT 2 and CAT 1 Soil and Data Mngmt. Bldg. Demo	0.009	None	0	-	Downwind PAML
2/22/05	AM Clouds, PM Sun, High 34F	From NW	10:01	4	North End of PAH Zone	T&D-CAT 2 and CAT 1 Soil and Data Mngmt. Bldg. Demo	0.009	None	0	-	Upwind PAML
2/22/05	AM Clouds, PM Sun, High 34F	From NW	13:46	1	Southeast Corner of PAH Zone	T&D-CAT 2 and CAT 1 Soil and Data Mngmt. Bldg. Demo	0.014	None	0	-	Downwind PAML
2/22/05	AM Clouds, PM Sun, High 34F	From NW	13:52	4	North End of PAH Zone	T&D-CAT 2 and CAT 1 Soil and Data Mngmt. Bldg. Demo	0.005	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/23/05	Sunhine with a few clouds, High 33F	From NW	10 58	1	Southeast Corner of PAH Zone	T&D-CAT 2 and CAT 1 Soil and Data Mngmt Bldg Demo	0.019	None	0	-	Downwind PAML
2/23/05	Sunhine with a few clouds, High 33F	From NW	11 05	4	North End of PAH Zone	T&D-CAT 2 and CAT 1 Soil and Data Mngmt Bldg Demo	0.023	None	0	-	Upwind PAML
2/23/05	Sunhine with a few clouds, High 33F	From NW	12 36	1	Southeast Corner of PAH Zone	T&D-CAT 2 and CAT 1 Soil and Data Mngmt Bldg Demo	0.025	None	0	-	Downwind PAML
2/23/05	Sunhine with a few clouds, High 33F	From NW	12:46	4	North End of PAH Zone	T&D-CAT 2 and CAT 1 Soil and Data Mngmt Bldg Demo	0.035	None	0	-	Upwind PAML

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DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁴ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/24/05	Variably cloudy skies, High 33F	From N	9 46	5	Southwest Corner of PAH Zone	T&D-CAT 2 and CAT 1 Soil and Data Mngmt Bldg. Demo	0 011	None	0	-	Downwind PAML
2/24/05	Variably cloudy skies, High 33F	From N	9 53	4	North End of PAH Zone	T&D-CAT 2 and CAT 1 Soil and Data Mngmt Bldg. Demo	0 018	None	0	-	Upwind PAML
2/24/05	Variably cloudy skies High 33F	From N	12 53	5	Southwest Corner of PAH Zone	T&D-CAT 2 and CAT 1 Soil and Data Mngmt Bldg. Demo	0 022	None	0	-	Downwind PAML
2/24/05	Variably cloudy skies, High 33F	From N	13 02	4	North End of PAH Zone	T&D-CAT 2 and CAT 1 Soil and Data Mngmt. Bldg. Demo	0 018	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m.3) ¹</i>	<i>Visual Dust</i>	<i>PID ⁵ (ppm) ²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
2/25/05	Mostly cloudy, High 37F	From WNW	9:29	2	Southeast Corner of Data Management Bldg	T&D-CAT 2 and CAT 1 Soil and Data Mngmt. Bldg. Demo	0.056	None	0	-	Downwind PAML
2/25/05	Mostly cloudy, High 37F	From WNW	9:32	5	Southwest Perimeter of Southern PAH Zone	T&D-CAT 2 and CAT 1 Soil and Data Mngmt. Bldg. Demo	0.064	None	0	-	Upwind PAML
2/25/05	Mostly cloudy, High 37F	From WNW	12:53	2	Southeast Corner of Data Management Bldg	T&D-CAT 2 and CAT 1 Soil and Data Mngmt. Bldg. Demo	0.041	None	0	-	Downwind PAML
2/25/05	Mostly cloudy, High 37F	From WNW	12:56	5	Southwest Perimeter of Southern PAH Zone	T&D-CAT 2 and CAT 1 Soil and Data Mngmt. Bldg. Demo	0.039	None	0	-	Upwind PAML

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DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURING AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Date	Weather	Wind Direction	Time	Loc. #	Description	Activity	Airborne Particulate (mg/m ³) ¹	Visual Dust	PID ³ (ppm) ²	Benzene Dreager Tube (ppm)	Comment
2/28/05	AM, Flurries and snow showers PM, scattered flurries and snow showers	From NW	11:29	1	Southeast Perimeter of Southern PAH Zone	T&D-CAT 1 Soil and Data Mngmt Bldg Demo	0.038	None	0	-	Downwind PAML
2/28/05	AM, Flurries and snow showers PM, scattered flurries and snow showers	From NW	11:35	4	Northwest Perimeter of Northern PAH Zone	T&D-CAT 1 Soil and Data Mngmt Bldg Demo	0.041	None	0	-	Upwind PAML
2/28/05	AM, Flurries and snow showers PM, scattered flurries and snow showers	From NW	12:37	1	Southeast Perimeter of Southern PAH Zone	T&D-CAT 1 Soil and Data Mngmt Bldg Demo	0.029	None	0	-	Downwind PAML
2/28/05	AM, Flurries and snow showers PM, scattered flurries and snow showers	From NW	12:44	4	Northwest Perimeter of Northern PAH Zone	T&D-CAT 1 Soil and Data Mngmt Bldg Demo	0.031	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
3/1/05	Mostly cloudy, 27F	From NW	9:44	1	Southeast Perimeter of Southern PAH Zone	T&D-CAT 1 Soil, Excavation activities in Southern PAH Zone, and Data Mngmt Bldg Demo	0.009	None	0	-	Downwind PAML
3/1/05	Mostly cloudy, 27F	From NW	9:51	4	Northwest Perimeter of Northern PAH Zone	T&D-CAT 1 Soil, Excavation activities in Southern PAH Zone, and Data Mngmt Bldg Demo	0.003	None	0	-	Upwind PAML
3/1/05	Mostly cloudy, 27F	From NW	12:52	1	Southeast Perimeter of Southern PAH Zone	T&D-CAT 1 Soil, Excavation activities in Southern PAH Zone, and Data Mngmt Bldg Demo	0.001	None	0	-	Downwind PAML
3/1/05	Mostly cloudy, 27F	From NW	12:58	4	Northwest Perimeter of Northern PAH Zone	T&D-CAT 1 Soil, Excavation activities in Southern PAH Zone, and Data Mngmt Bldg Demo	0.005	None	0	-	Upwind PAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIATION
 WAUKEGAN MANUFACTURING AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

Date	Weather	Wind Direction	Time	Loc. #	Description	Activity	Airborne Particulate (mg/m ³) ¹	Visual Dust	PID ⁵ (ppm) ²	Benzene Dreager Tube (ppm)	Comment
3/2/05	Sunshine, 26F	From NNW	9:51	1	Southeast Perimeter of Southern PAH Zone	T&D-CAT I Soil, Excavation activities in Southern PAH Zone, and Data Mngmt Bldg. Demo	0.009	None	0	-	Downwind PAML
3/2/05	Sunshine, 26F	From NNW	9:57	4	Northwest Perimeter of Northern PAH Zone	T&D-CAT I Soil, Excavation activities in Southern PAH Zone, and Data Mngmt Bldg. Demo	0.002	None	0	-	Upwind PAML
3/2/05	Sunshine, 26F	From NNW	12:38	1	Southeast Perimeter of Southern PAH Zone	T&D-CAT I Soil, Excavation activities in Southern PAH Zone, and Data Mngmt Bldg. Demo	0.005	None	0	-	Downwind PAML
3/2/05	Sunshine, 26F	From NNW	12:45	4	Northwest Perimeter of Northern PAH Zone	T&D-CAT I Soil, Excavation activities in Southern PAH Zone, and Data Mngmt. Bldg. Demo	0.002	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID³ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
3/3/05	Sunny to partly cloudy, High 31F	From W	10 48	2	Southeast Corner of Data Management Bldg	T&D-CAT I Soil, Excavation activities in Arsenic Zone, and Data Mngmt Bldg. Demo	0 006	None	0	-	Downwind TAML
3/3/05	Sunny to partly cloudy, High 31F	From W	10 51	5	Southwest Perimeter of Southern PAH Zone	T&D-CAT I Soil, Excavation activities in Arsenic Zone, and Data Mngmt Bldg. Demo	0 006	None	0	-	Upwind PAML
3/3/05	Sunny to partly cloudy, High 31F	From W	12 41	2	Southeast Corner of Data Management Bldg	T&D-CAT I Soil, Excavation activities in Arsenic Zone, and Data Mngmt Bldg. Demo	0 007	None	0	-	Downwind TAML
3/3/05	Sunny to partly cloudy, High 31F	From W	12 44	5	Southwest Perimeter of Southern PAH Zone	T&D-CAT I Soil, Excavation activities in Arsenic Zone, and Data Mngmt Bldg. Demo	0 012	None	0	-	Upwind PAML

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DAILY AIR MONIT DATA LOGS
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 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID³ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
3/4/05	PM rain/snow showers	From SSW	8 41	2	Southeast Corner of Data Management Bldg	Data Mngmt Bldg. Demo	0.037	None	0	-	Upwind TAML
3/4/05	PM rain/snow showers	From SSW	8 45	3	East of Asphalt Parking Lot	Data Mngmt Bldg. Demo	0.028	None	0	-	Downwind TAML
3/4/05	PM rain/snow showers	From SSW	12 40	2	Southeast Corner of Data Management Bldg	Data Mngmt Bldg. Demo	0.031	None	0	-	Upwind TAML
3/4/05	PM rain/snow showers	From SSW	12 43	3	East of Asphalt Parking Lot	Data Mngmt Bldg. Demo	0.052	None	0	-	Downwind TAML

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REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID² (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
3/7/05	windy with snow showers developing, high 46F	From NW	9 50	1	Southeast Perimeter of Southern PAH Zone	Data Mngmt. Bldg. Demo	0.069	None	0	-	Downwind PAML
3/7/05	windy with snow showers developing, high 46F	From NW	9 57	4	Northwest Perimeter of Northern PAH Zone	Data Mngmt. Bldg. Demo	0.029	None	0	-	Upwind PAML
3/7/05	windy with snow showers developing, high 46F	From NW	12 35	1	Southeast Perimeter of Southern PAH Zone	Data Mngmt. Bldg. Demo	0.005	None	0	-	Downwind PAML
3/7/05	windy with snow showers developing, high 46F	From NW	12 40	4	Northwest Perimeter of Northern PAH Zone	Data Mngmt. Bldg. Demo	0.007	None	0	-	Upwind PAML

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REMEDIAL ACTION
WAUKEGAN MANUFACTURED
WAUKEGAN
ND COKE PLANT SITE
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Date	Weather	Wind Direction	Time	Loc. #	Description	Activity	Airborne Particulate (mg/m ³) ¹	Visual Dust	PID ⁵ (ppm) ²	Benzene Dreager Tube (ppm)	Comment
3/8/05	Plentiful sunshine, High 29F	From NW	10:28	1	Southeast Perimeter of Southern PAH Zone	Data Mngmt Bldg. Demo and Excavation Activities in Arsenic Zone	0.006	None	0	-	Downwind PAML
3/8/05	Plentiful sunshine, High 29F	From NW	10:36	4	Northwest Perimeter of Northern PAH Zone	Data Mngmt Bldg. Demo and Excavation Activities in Arsenic Zone	0.009	None	0	-	Upwind PAML
3/8/05	Plentiful sunshine, High 29F	From NW	12:55	1	Southeast Perimeter of Southern PAH Zone	Data Mngmt Bldg. Demo and Excavation Activities in Arsenic Zone	0.085	None	0	-	Downwind PAML
3/8/05	Plentiful sunshine, High 29F	From NW	12:59	4	Northwest Perimeter of Northern PAH Zone	Data Mngmt Bldg. Demo and Excavation Activities in Arsenic Zone	0.007	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
3/9/05	Mostly sunny, cold High 29F	From NW	9 52	1	Southeast Perimeter of Southern PAH Zone	Data Mngmt. Bldg. Demo and Excavation Activities in Arsenic Zone	0.059	None	0	-	Downwind PAML
3/9/05	Mostly sunny, cold High 29F	From NW	10 00	4	Northwest Perimeter of Northern PAH Zone	Data Mngmt. Bldg. Demo and Excavation Activities in Arsenic Zone	0.022	None	0	-	Upwind PAML
3/9/05	Mostly sunny, cold High 29F	From NW	12 53	1	Southeast Perimeter of Southern PAH Zone	Data Mngmt. Bldg. Demo and Excavation Activities in Arsenic Zone	0.13	None	0	-	Downwind PAML
3/9/05	Mostly sunny, cold High 29F	From NW	13 00	4	Northwest Perimeter of Northern PAH Zone	Data Mngmt. Bldg. Demo and Excavation Activities in Arsenic Zone	0.023	None	0	-	Upwind PAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIATION
 WAUKEGAN MANUFACTURING AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

Date	Weather	Wind Direction	Time	Loc. #	Description	Activity	Airborne Particulate (mg/m ³) ¹	Visual Dust	PID ³ (ppm) ²	Benzene Dreager Tube (ppm)	Comment
3/10/05	Light snow, 33F	From SSW	10 58	2	Southeast Corner of Data Management Bldg	Data Mngmnt Bldg. Demo	0.045	None	0	-	Upwind TAML
3/10/05	Light snow, 33F	From SSW	11 00	3	East of Asphalt Parking Lot	Data Mngmnt Bldg. Demo	0.068	None	0	-	Downwind TAML
3/10/05	Light snow, 33F	From SSW	12 35	2	Southeast Corner of Data Management Bldg	Data Mngmnt Bldg. Demo	0.023	None	0	-	Upwind TAML
3/10/05	Light snow, 33F	From SSW	12 39	3	East of Asphalt Parking Lot	Data Mngmnt Bldg. Demo	0.051	None	0	-	Downwind TAML

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**DAILY AIR MONITORING DATA
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)¹</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
3/11/05	mostly cloudy with snow flurries and snow showers, High 30F	From WNW	11 22	2	Southeast Corner of Data Management Bldg	Data Mngmnt. Bldg. Demo	0.008	None	0	-	Downwind TAML
3/11/05	mostly cloudy with snow flurries and snow showers, High 30F	From WNW	11 25	5	Southwest Perimeter of Southern PAH Zone	Data Mngmnt. Bldg. Demo	0.012	None	0	-	Upwind PAML
3/11/05	mostly cloudy with snow flurries and snow showers, High 30F	From WNW	12 42	2	Southeast Corner of Data Management Bldg	Data Mngmnt. Bldg. Demo	0.01	None	0	-	Downwind TAML
3/11/05	mostly cloudy with snow flurries and snow showers, High 30F	From WNW	12 45	5	Southwest Perimeter of Southern PAH Zone	Data Mngmnt. Bldg. Demo	0.01	None	0	-	Upwind PAML

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DAILY AIR MONITORING DATA LOGS
REMEDIAL /
WAUKEGAN MANUFACTURED GAS COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
3/14/05	Partly cloudy, High 36F	From W	11 07	2	Southeast Corner of Data Management Bldg	T&D CAT 2-Soil and Data Mngmnt Bldg Demo	0.011	None	0	-	Downwind TAML
3/14/05	Partly cloudy, High 36F	From W	11 10	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2-Soil and Data Mngmnt Bldg Demo	0.006	None	0	-	Upwind PAML
3/14/05	Partly cloudy, High 36F	From W	14 03	2	Southeast Corner of Data Management Bldg	T&D CAT 2-Soil and Data Mngmnt Bldg Demo	0.018	None	0	-	Downwind TAML
3/14/05	Partly cloudy, High 36F	From W	14 06	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2-Soil and Data Mngmnt Bldg Demo	0.019	None	0	-	Upwind PAML

¹ - mg/m³ - milligrams per cubic meter

² - ppm - parts per million

³ - PAML - perimeter air monitoring location

⁴ - TAML - temporary air monitoring location

⁵ - PID - photoionization detector

**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
3/15/05	Partly cloudy, High 37F	From W	11 12	2	Southeast Corner of Data Management Bldg	T&D CAT 2-Soil and Data Mngmnt Bldg. Demo	0.007	None	0	-	Downwind TAML
3/15/05	Partly cloudy, High 37F	From W	11 15	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2-Soil and Data Mngmnt Bldg. Demo	0.011	None	0	-	Upwind PAML
3/15/05	Partly cloudy, High 37F	From W	13 12	2	Southeast Corner of Data Management Bldg	T&D CAT 2-Soil and Data Mngmnt Bldg. Demo	0.013	None	0	-	Downwind TAML
3/15/05	Partly cloudy, High 37F	From W	13.14	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2-Soil and Data Mngmnt Bldg. Demo	0.014	None	0	-	Upwind PAML

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DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURE AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
3/16/05	Partly cloudy, 44F	From SW	11:31	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2-Soil and Data Mngmnt Bldg Demo	0.021	None	0	-	Upwind PAML
3/16/05	Partly cloudy, 44F	From SW	11:36	3	East of Asphalt Parking Lot	T&D CAT 2-Soil and Data Mngmnt Bldg Demo	0.03	None	0	-	Downwind TAML
3/16/05	Partly cloudy, 44F	From SW	12:40	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2-Soil and Data Mngmnt Bldg Demo	0.018	None	0	-	Upwind PAML
3/16/05	Partly cloudy, 44F	From SW	12:45	3	East of Asphalt Parking Lot	T&D CAT 2-Soil and Data Mngmnt Bldg Demo	0.029	None	0	-	Downwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
3/17/05	Snow, High 36F	From E	11 40	2	Southeast Corner of Data Management Bldg	Excavation Activities in Bombardier Parking Lot and T&D CAT 2-Soil	0.019	None	0	-	Upwind TAML
3/17/05	Snow, High 36F	From E	11 45	5	Southwest Perimeter of Southern PAH Zone	Excavation Activities in Bombardier Parking Lot and T&D CAT 2-Soil	0.018	None	0	-	Downwind PAML
3/17/05	Snow, High 36F	From E	13 15	2	Southeast Corner of Data Management Bldg	Excavation Activities in Bombardier Parking Lot and T&D CAT 2-Soil	0.017	None	0	-	Upwind TAML
3/17/05	Snow, High 36F	From E	13 20	5	Southwest Perimeter of Southern PAH Zone	Excavation Activities in Bombardier Parking Lot and T&D CAT 2-Soil	0.019	None	0	-	Downwind PAML

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DAILY AIR MONITORING
REMEDIAL ACTION
WAUKEGAN MANUFACTURING AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Date	Weather	Wind Direction	Time	Loc. #	Description	Activity	Airborne Particulate (mg/m ³) ¹	Visual Dust	PID ⁵ (ppm) ²	Benzene Dreager Tube (ppm)	Comment
3/18/05	Mostly cloudy, 43F	From ESE	11:43	2	Southeast Corner of Data Management Bldg	Excavation Activities in Bombardier Parking Lot and T&D CAT 2-Soil	0.05	None	0	-	Upwind TAML
3/18/05	Mostly cloudy, 43F	From ESE	11:48	5	Southwest Perimeter of Southern PAH Zone	Excavation Activities in Bombardier Parking Lot and T&D CAT 2-Soil	0.068	None	0	-	Downwind PAML
3/18/05	Mostly cloudy, 43F	From ESE	12:57	2	Southeast Corner of Data Management Bldg	Excavation Activities in Bombardier Parking Lot and T&D CAT 2-Soil	0.054	None	0	-	Upwind TAML
3/18/05	Mostly cloudy, 43F	From ESE	13:03	5	Southwest Perimeter of Southern PAH Zone	Excavation Activities in Bombardier Parking Lot and T&D CAT 2-Soil	0.062	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
3/21/05	Partly Cloudy, 36F	From NE	11:54	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2-Soil and Excavation Activities in Northern PAH Zone	0.002	None	0	-	Downwind PAML
3/21/05	Partly Cloudy, 36F	From NE	11:59	3	East of Asphalt Parking Lot	T&D CAT 2-Soil and Excavation Activities in Northern PAH Zone	0.048	None	0	-	Upwind TAML
3/21/05	Partly Cloudy, 36F	From NE	14:47	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2-Soil and Excavation Activities in Northern PAH Zone	0.001	None	0	-	Downwind PAML
3/21/05	Partly Cloudy, 36F	From NE	14:52	3	East of Asphalt Parking Lot	T&D CAT 2-Soil and Excavation Activities in Northern PAH Zone	0.076	None	0	-	Upwind TAML

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DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
3/22/05	Partly Cloudy, 39F	From NE	11 50	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2-Soil and Excavation Activities in Arsenic Zone	0.022	None	0	-	Downwind PAML
3/22/05	Partly Cloudy, 39F	From NE	11 55	3	East of Asphalt Parking Lot	T&D CAT 2-Soil and Excavation Activities in Arsenic Zone	0.027	None	0	-	Upwind TAML
3/22/05	Partly Cloudy, 39F	From NE	14 10	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2-Soil and Excavation Activities in Arsenic Zone	0.01	None	0	-	Downwind PAML
3/22/05	Partly Cloudy, 39F	From NE	14 15	3	East of Asphalt Parking Lot	T&D CAT 2-Soil and Excavation Activities in Arsenic Zone	0.01	None	0	-	Upwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
3/30/05	Strong Storms, High 66F	From SSE	9 04	1	Southeast Perimeter of Southern PAH Zone	T&D CAT-2 Soil and Backfilling Activities in Bombardier Parking Lot	0 02	None	0	-	Upwind PAML
3/30/05	Strong Storms, High 66F	From SSE	9 13	4	Northwest Perimeter of Northern PAH Zone	T&D CAT-2 Soil and Backfilling Activities in Bombardier Parking Lot	0 021	None	0	-	Downwind PAML
3/30/05	Strong Storms, High 66F	From SSE	12 50	1	Southeast Perimeter of Southern PAH Zone	T&D CAT-2 Soil and Backfilling Activities in Bombardier Parking Lot	0 09	None	0	-	Upwind PAML
3/30/05	Strong Storms, High 66F	From SSE	12 56	4	Northwest Perimeter of Northern PAH Zone	T&D CAT-2 Soil and Backfilling Activities in Bombardier Parking Lot	0 012	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID³ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
3/31/05	Few Showers/Wind 47F	From W	8:46	2	Southeast Corner of Data Management Bldg	T&D CAT-2 Soil	0.01	None	0	-	Downwind TAML
3/31/05	Few Showers/Wind 47F	From W	8:51	5	Southwest Perimeter of Southern PAH Zone	T&D CAT-2 Soil	0.013	None	0	-	Upwind PAML
3/31/05	Few Showers/Wind 47F	From W	13:13	2	Southeast Corner of Data Management Bldg	T&D CAT-2 Soil	0.006	None	0	-	Downwind TAML
3/31/05	Few Showers/Wind 47F	From W	13:15	5	Southwest Perimeter of Southern PAH Zone	T&D CAT-2 Soil	0.012	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID³ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/1/05	Mostly Cloudy, High 54F	From NNE	12 17	3	East of Asphalt Parking Lot	T&D CAT-2 Soil	0 011	None	0	-	Upwind TAML
4/1/05	Mostly Cloudy, High 54F	From NNE	12 20	2	Southeast Corner of Data Management Bldg	T&D CAT-2 Soil	0 006	None	0	-	Downwind TAML
4/1/05	Mostly Cloudy, High 54F	From NNE	12 36	3	East of Asphalt Parking Lot	T&D CAT-2 Soil	0 029	None	0	-	Upwind TAML
4/1/05	Mostly Cloudy, High 54F	From NNE	12 32	2	Southeast Corner of Data Management Bldg	T&D CAT-2 Soil	0 013	None	0	-	Downwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/4/05	Sunny, High 61F	From E	10:12	2	Southeast Corner of Data Management Bldg	T&D CAT-2 Soil	0.009	None	0	-	Upwind TAML
4/4/05	Sunny, High 61F	From E	10:14	5	Southwest Perimeter of Southern PAH Zone	T&D CAT-2 Soil	0.008	None	0	-	Downwind PAML
4/4/05	Sunny, High 61F	From E	13:59	2	Southeast Corner of Data Management Bldg	T&D CAT-2 Soil	0.015	None	0	-	Upwind TAML
4/4/05	Sunny, High 61F	From E	14:01	5	Southwest Perimeter of Southern PAH Zone	T&D CAT-2 Soil	0.006	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3) ¹</i>	<i>Visual Dust</i>	<i>PID ³ (ppm) ²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/5/05	Mostly Cloudy, High 71F	From S	10 02	1	Southeast Perimeter of Southern PAH Zone	T&D CAT-2 Soil	0 018	None	0	-	Upwind PAML
4/5/05	Mostly Cloudy, High 71F	From S	10 11	3	East of Asphalt Parking Lot	T&D CAT-2 Soil	0 035	None	0	-	Downwind TAML
4/5/05	Mostly Cloudy, High 71F	From S	13 08	1	Southeast Perimeter of Southern PAH Zone	T&D CAT-2 Soil	0 046	None	0	-	Upwind PAML
4/5/05	Mostly Cloudy, High 71F	From S	13 13	3	East of Asphalt Parking Lot	T&D CAT-2 Soil	0 047	None	0	-	Downwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/6/05	PM T-Storms, 67F	From SSE	10:13	1	Southeast Perimeter of Southern PAH Zone	T&D CAT-2 Soil	0.057	None	0	-	Upwind PAML
4/6/05	PM T-Storms, 67F	From SSE	10:24	4	Northwest Perimeter of Northern PAH Zone	T&D CAT-2 Soil	0.12	None	0	-	Downwind PAML
4/6/05	PM T-Storms, 67F	From SSE	12:36	1	Southeast Perimeter of Southern PAH Zone	T&D CAT-2 Soil	0.044	None	0	-	Upwind PAML
4/6/05	PM T-Storms, 67F	From SSE	12:44	4	Northwest Perimeter of Northern PAH Zone	T&D CAT-2 Soil	0.049	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/7/05	Partly Cloudy, 50F	From NNE	11 32	5	Southwest Perimeter of Southern PAH Zone	T&D CAT-2 Soil	0.023	None	0	-	Downwind PAML
4/7/05	Partly Cloudy, 50F	From NNE	11 39	3	East of Asphalt Parking Lot	T&D CAT-2 Soil	0.04	None	0	-	Upwind PAML
4/7/05	Partly Cloudy, 50F	From NNE	12 46	5	Southwest Perimeter of Southern PAH Zone	T&D CAT-2 Soil	0.006	None	0	-	Downwind PAML
4/7/05	Partly Cloudy, 50F	From NNE	12 53	3	East of Asphalt Parking Lot	T&D CAT-2 Soil	0.02	None	0	-	Upwind PAML

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DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/8/05	Sunny, High 58F	From ENE	10 14	2	Southeast Corner of Data Management Bldg	T&D CAT-2 Soil	0 016	None	0	-	Upwind TAML
4/8/05	Sunny, High 58F	From ENE	10 17	5	Southwest Perimeter of Southern PAH Zone	T&D CAT-2 Soil	0 009	None	0	-	Downwind PAML
4/8/05	Sunny, High 58F	From ENE	13 05	2	Southeast Corner of Data Management Bldg	T&D CAT-2 Soil	0 009	None	0	-	Upwind TAML
4/8/05	Sunny, High 58F	From ENE	13 09	5	Southwest Perimeter of Southern PAH Zone	T&D CAT-2 Soil	0 005	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/11/05	Sunny, 62F	From ESE	14 10	2	Southeast Corner of Data Management Bldg	Excavation Activities	0.003	None	0	-	Upwind TAML
4/11/05	Sunny, 62F	From ESE	14 13	5	Southwest Perimeter of Southern PAH Zone	Excavation Activities	0.009	None	0	-	Downwind PAML
4/11/05	Sunny, 62F	From ESE	14 18	2	Southeast Corner of Data Management Bldg	Excavation Activities	0.005	None	0	-	Upwind TAML
4/11/05	Sunny, 62F	From ESE	14 15	5	Southwest Perimeter of Southern PAH Zone	Excavation Activities	0.004	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/12/05	Showers, 50F	From E	12 05	2	Southeast Corner of Data Management Bldg	crushing concrete from Data Bldg	0 004	None	0	-	Upwind TAML
4/12/05	Showers, 50F	From E	12 10	5	Southwest Perimeter of Southern PAH Zone	crushing concrete from Data Bldg	0 008	None	0	-	Downwind PAML
4/12/05	Showers, 50F	From E	12 30	2	Southeast Corner of Data Management Bldg	crushing concrete from Data Bldg	0 006	None	0	-	Upwind TAML
4/12/05	Showers, 50F	From E	12 35	5	Southwest Perimeter of Southern PAH Zone	crushing concrete from Data Bldg	0 007	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/13/05	Sunshine, 48F	From NE	10 17	5	Southwest Perimeter of Southern PAH Zone	crushing concrete from Data Bldg	0 03	None	0	-	Downwind PAML
4/13/05	Sunshine, 48F	From NE	10 22	3	East of Asphalt Parking Lot	crushing concrete from Data Bldg	0 015	None	0	-	Upwind TAML
4/13/05	Sunshine, 48F	From NE	13 32	5	Southwest Perimeter of Southern PAH Zone	crushing concrete from Data Bldg	0 019	None	0	-	Downwind PAML
4/13/05	Sunshine, 48F	From NE	13 37	3	East of Asphalt Parking Lot	crushing concrete from Data Bldg	0 012	None	0	-	Upwind TAML

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¹ - mg/in³ - milligrams per cubic meter

² - ppm - parts per million

³ - PAML - perimeter air monitoring location

⁴ - TAML - temporary air monitoring location

⁵ - PID - photoionization detector

**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/14/05	Sunny, 57F	From NE	10:52	5	Southwest Perimeter of Southern PAH Zone	expanding excavations and crushing concrete	0.006	None	0	-	Downwind PAML
4/14/05	Sunny, 57F	From NE	10:56	3	East of Asphalt Parking Lot	expanding excavations and crushing concrete	0.004	None	0	-	Upwind TAML
4/14/05	Sunny, 57F	From NE	13:02	5	Southwest Perimeter of Southern PAH Zone	expanding excavations and crushing concrete	0.013	None	0	-	Downwind PAML
4/14/05	Sunny, 57F	From NE	13:07	3	East of Asphalt Parking Lot	expanding excavations and crushing concrete	0.005	None	0	-	Upwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/15/05	Sunny, 60F	From ESE	11 36	2	Southeast Corner of Data Management Bldg	expanding excavations and crushing concrete	0 048	None	0	-	Upwind TAML
4/15/05	Sunny, 60F	From ESE	11 39	5	Southwest Perimeter of Southern PAH Zone	expanding excavations and crushing concrete	0 011	None	0	-	Downwind PAML
4/15/05	Sunny, 60F	From ESE	13 40	2	Southeast Corner of Data Management Bldg	expanding excavations and crushing concrete	0 035	None	0	-	Upwind TAML
4/15/05	Sunny, 60F	From ESE	13 45	5	Southwest Perimeter of Southern PAH Zone	expanding excavations and crushing concrete	0 014	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/18/05	Sunny, 76F	From SSW	9 40	1	Southeast Perimeter of Southern PAH Zone	expanding excavations and crushing concrete	0 009	None	0	-	Upwind PAML
4/18/05	Sunny, 76F	From SSW	9 44	3	East of Asphalt Parking Lot	expanding excavations and crushing concrete	0 011	None	0	-	Downwind TAML
4/18/05	Sunny, 76F	From SSW	12 05	1	Southeast Perimeter of Southern PAH Zone	expanding excavations and crushing concrete	0 007	None	0	-	Upwind PAML
4/18/05	Sunny, 76F	From SSW	12 08	3	East of Asphalt Parking Lot	expanding excavations and crushing concrete	0 013	None	0	-	Downwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)</i> ¹	<i>Visual Dust</i>	<i>PID</i> ⁵ <i>(ppm)</i> ²	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/19/05	Partly Cloudy, 75F	From SSW	11 20	5	Southwest Perimeter of Southern PAH Zone	Backfilling activities	0.054	None	0	-	Upwind PAML
4/19/05	Partly Cloudy, 75F	From SSW	11 25	3	East of Asphalt Parking Lot	Backfilling activities	0.08	None	0	-	Downwind TAML
4/19/05	Partly Cloudy, 75F	From SSW	12 55	5	Southwest Perimeter of Southern PAH Zone	Backfilling activities	0.016	None	0	-	Upwind PAML
4/19/05	Partly Cloudy, 75F	From SSW	12 58	3	East of Asphalt Parking Lot	Backfilling activities	0.099	None	0	-	Downwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/20/05	Few Showers, 61F	From N	12:50	2	Southeast Corner of Data Management Bldg	Backfilling activities	0.012	None	0	-	Downwind TAML
4/20/05	Few Showers, 61F	From N	12:53	3	East of Asphalt Parking Lot	Backfilling activities	0.02	None	0	-	Upwind TAML
4/20/05	Few Showers, 61F	From N	13:53	2	Southeast Corner of Data Management Bldg	Backfilling activities	0.04	None	0	-	Downwind TAML
4/20/05	Few Showers, 61F	From N	14:02	3	East of Asphalt Parking Lot	Backfilling activities	0.022	None	0	-	Upwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/21/05	Sunny, 52F	From ENE	11 28	2	Southeast Corner of Data Management Bldg	expanding excavations, crushing concrete, and backfilling	0.003	None	0	-	Downwind PAML
4/21/05	Sunny, 52F	From ENE	11 25	5	Southwest Perimeter of Southern PAH Zone	expanding excavations, crushing concrete, and backfilling	0.018	None	0	-	Upwind TAML
4/21/05	Sunny, 52F	From ENE	13 28	2	Southeast Corner of Data Management Bldg	expanding excavations, crushing concrete, and backfilling	0.004	None	0	-	Downwind PAML
4/21/05	Sunny, 52F	From ENE	13 25	5	Southwest Perimeter of Southern PAH Zone	expanding excavations, crushing concrete, and backfilling	0.009	None	0	-	Upwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/25/05	Partly Cloudy, 62F	From WSW	11 05	2	Southeast Corner of Data Management Bldg	T&D CAT 2 Soil	0.002	None	0	-	Downwind TAML
4/25/05	Partly Cloudy, 62F	From WSW	11 08	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2 Soil	0.008	None	0	-	Upwind PAML
4/25/05	Partly Cloudy, 62F	From WSW	13 42	2	Southeast Corner of Data Management Bldg	T&D CAT 2 Soil	0.027	None	0	-	Downwind TAML
4/25/05	Partly Cloudy, 62F	From WSW	13 45	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2 Soil	0.002	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID³ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/26/05	Mostly Cloudy, 52F	From W	11 53	2	Southeast Corner of Data Management Bldg	T&D CAT 2 Soil, Backfilling	0 005	None	0	-	Downwind TAML
4/26/05	Mostly Cloudy, 52F	From W	11 56	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2 Soil, Backfilling	0 01	None	0	-	Upwind PAML
4/26/05	Mostly Cloudy, 52F	From W	13 49	2	Southeast Corner of Data Management Bldg	T&D CAT 2 Soil, Backfilling	0 01	None	0	-	Downwind TAML
4/26/05	Mostly Cloudy, 52F	From W	13 52	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2 Soil, Backfilling	0 004	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/27/05	Cloudy, 52F	From W	11 23	2	Southeast Corner of Data Management Bldg	T&D CAT 2 Soil, Backfilling	0.024	None	0	-	Downwind TAML
4/27/05	Cloudy, 52F	From W	11 26	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2 Soil, Backfilling	0.015	None	0	-	Upwind PAML
4/27/05	Cloudy, 52F	From W	13 15	2	Southeast Corner of Data Management Bldg	T&D CAT 2 Soil, Backfilling	0.043	None	0	-	Downwind TAML
4/27/05	Cloudy, 52F	From W	13 18	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2 Soil, Backfilling	0.009	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/28/05	Mostly Cloudy, 51F	From SSW	10 50	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2 Soil	0 009	None	0	-	Upwind PAML
4/28/05	Mostly Cloudy, 51F	From SSW	10 56	3	East of Asphalt Parking Lot	T&D CAT 2 Soil	0 026	None	0	-	Downwind TAML
4/28/05	Mostly Cloudy, 51F	From SSW	13 58	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2 Soil	0 024	None	0	-	Upwind PAML
4/28/05	Mostly Cloudy, 51F	From SSW	14 04	3	East of Asphalt Parking Lot	T&D CAT 2 Soil	0 031	None	0	-	Downwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
4/29/05	Mostly Cloudy, 53F	From ENE	10 59	2	Southeast Corner of Data Management Bldg	Backfilling activities	0.013	None	0	-	Upwind TAML
4/29/05	Mostly Cloudy, 53F	From ENE	11 02	5	Southwest Perimeter of Southern PAH Zone	Backfilling activities	0.01	None	0	-	Downwind PAML
4/29/05	Mostly Cloudy, 53F	From ENE	13 20	2	Southeast Corner of Data Management Bldg	Backfilling activities	0.017	None	0	-	Upwind TAML
4/29/05	Mostly Cloudy, 53F	From ENE	13 22	5	Southwest Perimeter of Southern PAH Zone	Backfilling activities	0.013	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/2/05	Mostly Cloudy, 47F	From WNW	12:46	1	Southeast Perimeter of Southern PAH Zone	Backfilling activities	0.011	None	0	-	Downwind PAML
5/2/05	Mostly Cloudy, 47F	From WNW	12:56	4	Northwest Perimeter of Northern PAH Zone	Backfilling activities	0.016	None	0	-	Upwind PAML
5/2/05	Mostly Cloudy, 47F	From WNW	13:55	1	Southeast Perimeter of Southern PAH Zone	Backfilling activities	0.012	None	0	-	Downwind PAML
5/2/05	Mostly Cloudy, 47F	From WNW	14:00	4	Northwest Perimeter of Northern PAH Zone	Backfilling activities	0.015	None	0	-	Upwind PAML

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DAILY AIR MONITORING DATA LOGS
REMEDIATION ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/3/05	AM Clouds, PM Sun, 50F	From WNW	11:22	2	Southeast Corner of Data Management Bldg	Backfilling activities	0.01	None	0	-	Downwind TAML
5/3/05	AM Clouds, PM Sun, 50F	From WNW	11:24	5	Southwest Perimeter of Southern PAH Zone	Backfilling activities	0.005	None	0	-	Upwind PAML
5/3/05	AM Clouds, PM Sun, 50F	From WNW	14:32	2	Southeast Corner of Data Management Bldg	Backfilling activities	0.011	None	0	-	Downwind TAML
5/3/05	AM Clouds, PM Sun, 50F	From WNW	14:35	5	Southwest Perimeter of Southern PAH Zone	Backfilling activities	0.004	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/4/05	Sunny, 59F	From S	9 30	2	Southeast Corner of Data Management Bldg	T&D CAT 2 Soil, Crushing Concrete	0 02	None	0	-	Upwind TAML
5/4/05	Sunny, 59F	From S	9 27	3	East of Asphalt Parking Lot	T&D CAT 2 Soil, Crushing Concrete	0 018	None	0	-	Downwind TAML
5/4/05	Sunny, 59F	From S	14 20	2	Southeast Corner of Data Management Bldg	T&D CAT 2 Soil, Crushing Concrete	0 017	None	0	-	Upwind TAML
5/4/05	Sunny, 59F	From S	14 25	3	East of Asphalt Parking Lot	T&D CAT 2 Soil, Crushing Concrete	0 019	None	0	-	Downwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/5/05	Sunny, 66F	From S	10:43	2	Southeast Corner of Data Management Bldg	Expanding Excavations	0.032	None	0	-	Upwind TAML
5/5/05	Sunny, 66F	From S	10:47	3	East of Asphalt Parking Lot	Expanding Excavations	0.028	None	0	-	Downwind TAML
5/5/05	Sunny, 66F	From S	14:17	2	Southeast Corner of Data Management Bldg	Expanding Excavations	0.036	None	0	-	Upwind TAML
5/5/05	Sunny, 66F	From S	14:21	3	East of Asphalt Parking Lot	Expanding Excavations	0.028	None	0	-	Downwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/6/05	Isolated T-Storms, 71F	From SSW	11 07	2	Southeast Corner of Data Management Bldg	Backfilling activities, crushing concrete	0.004	None	0	-	Upwind TAML
5/6/05	Isolated T-Storms, 71F	From SSW	11 10	3	East of Asphalt Parking Lot	Backfilling activities, crushing concrete	0.046	None	0	-	Downwind TAML
5/6/05	Isolated T-Storms, 71F	From SSW	13 04	2	Southeast Corner of Data Management Bldg	Backfilling activities, crushing concrete	0.026	None	0	-	Upwind TAML
5/6/05	Isolated T-Storms, 71F	From SSW	13 06	3	East of Asphalt Parking Lot	Backfilling activities, crushing concrete	0.04	None	0	-	Downwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/9/05	Scattered Strong Storms, 70F	From SSW	11:30	2	Southeast Corner of Data Management Bldg	crushing concrete, T&D Subtitle C Landfill Soil	0.062	None	0	-	Upwind TAML
5/9/05	Scattered Strong Storms, 70F	From SSW	11:33	3	East of Asphalt Parking Lot	crushing concrete, T&D Subtitle C Landfill Soil	0.057	None	0	-	Downwind TAML
5/9/05	Scattered Strong Storms, 70F	From SSW	12:50	2	Southeast Corner of Data Management Bldg	crushing concrete, T&D Subtitle C Landfill Soil	0.056	None	0	-	Upwind TAML
5/9/05	Scattered Strong Storms, 70F	From SSW	12:53	3	East of Asphalt Parking Lot	crushing concrete, T&D Subtitle C Landfill Soil	0.088	None	0	-	Downwind TAML

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⁴ - TAML - temporary air monitoring location

⁵ - PID - photoionization detector

**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/10/05	Mostly Sunny, 75F	From W	11 59	2	Southeast Corner of Data Management Bldg	Backfilling Activities, T&D Subtitle C Landfill Soil	0 029	None	0	-	Downwind TAML
5/10/05	Mostly Sunny, 75F	From W	12 02	5	Southwest Perimeter of Southern PAH Zone	Backfilling Activities, T&D Subtitle C Landfill Soil	0 088	None	0	-	Upwind PAML
5/10/05	Mostly Sunny, 75F	From W	13 31	2	Southeast Corner of Data Management Bldg	Backfilling Activities, T&D Subtitle C Landfill Soil	0 015	None	0	-	Downwind TAML
5/10/05	Mostly Sunny, 75F	From W	13 34	5	Southwest Perimeter of Southern PAH Zone	Backfilling Activities, T&D Subtitle C Landfill Soil	0 011	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/11/05	T-Storms/Wind, 50F	From NE	10:30	5	Southwest Perimeter of Southern PAH Zone	T&D Subtitle C Material	0.003	None	0	-	Downwind PAML
5/11/05	T-Storms/Wind, 50F	From NE	10:34	3	East of Asphalt Parking Lot	T&D Subtitle C Material	0.01	None	0	-	Upwind TAML
5/11/05	T-Storms/Wind, 50F	From NE	13:15	5	Southwest Perimeter of Southern PAH Zone	T&D Subtitle C Material	0.01	None	0	-	Downwind PAML
5/11/05	T-Storms/Wind, 50F	From NE	13:19	3	East of Asphalt Parking Lot	T&D Subtitle C Material	0.017	None	0	-	Upwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/12/05	Cloudy, 48F	From NE	11 45	5	Southwest Perimeter of Southern PAH Zone	T&D Subtitle C Material, Backfilling Activities	0 012	None	0	-	Downwind PAML
5/12/05	Cloudy, 48F	From NE	11 50	3	East of Asphalt Parking Lot	T&D Subtitle C Material, Backfilling Activities	0 007	None	0	-	Upwind TAML
5/12/05	Cloudy, 48F	From NE	14 48	5	Southwest Perimeter of Southern PAH Zone	T&D Subtitle C Material, Backfilling Activities	0 019	None	0	-	Downwind PAML
5/12/05	Cloudy, 48F	From NE	14 55	3	East of Asphalt Parking Lot	T&D Subtitle C Material, Backfilling Activities	0 009	None	0	-	Upwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/13/05	Rain, 48F	From SE	10:35	2	Southeast Corner of Data Management Bldg	Backfilling and excavation activities	0.013	None	0	-	Upwind TAML
5/13/05	Rain, 48F	From SE	10:42	6	Northeast Corner of Site	Backfilling and excavation activities	0.019	None	0	-	Downwind PAML
5/13/05	Rain, 48F	From SE	14:35	1	Southeast Perimeter of Southern PAH Zone	Backfilling and excavation activities	0.014	None	0	-	Upwind PAML
5/13/05	Rain, 48F	From SE	14:44	6	Northeast Corner of Site	Backfilling and excavation activities	0.008	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3) ¹</i>	<i>Visual Dust</i>	<i>PID ⁵ (ppm) ²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/16/05	Partly Cloudy, 60F	From E	10 20	2	Southeast Corner of Data Management Bldg	Backfilling and excavation activities	0	None	0	-	Upwind TAML
5/16/05	Partly Cloudy, 60F	From E	10 33	NWc of DSS Area	NWc of DSS Area	Backfilling and excavation activities	0	None	0	-	Downwind
5/16/05	Partly Cloudy, 60F	From E	14 14	5	Southwest Perimeter of Southern PAH Zone	Backfilling and excavation activities	0	None	0	-	Downwind PAML
5/16/05	Partly Cloudy, 60F	From E	14 21	6	Northeast Corner of Site	Backfilling and excavation activities	0	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/17/05	Clear, 65F	From E	8:45	3	East of Asphalt Parking Lot	Backfilling Activities	0.004	None	0	-	Upwind TAML
5/17/05	Clear, 65F	From E	8:55	4	Northwest Perimeter of Northern PAH Zone	Backfilling Activities	0.003	None	0	-	Downwind PAML
5/17/05	Clear, 65F	From E	13:02	2	Southeast Corner of Data Management Bldg	Backfilling Activities	0.009	None	0	-	Upwind TAML
5/17/05	Clear, 65F	From E	13:09	NWc of DSS Area	NWc of DSS Area	Backfilling Activities	0.004	None	0	-	Downwind

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/18/05	Cloudy, 65F	From SE	10 10	2	Southeast Corner of Data Management Bldg	Backfilling Activities	0.002	None	0	-	Upwind TAML
5/18/05	Cloudy, 65F	From SE	10 25	4	Northwest Penimeter of Northern PAH Zone	Backfilling Activities	0.003	None	0	-	Downwind PAML
5/18/05	Cloudy, 65F	From SE	13 30	2	Southeast Corner of Data Management Bldg	Backfilling Activities	0.004	None	0	-	Upwind TAML
5/18/05	Cloudy, 65F	From SE	13 40	4	Northwest Penimeter of Northern PAH Zone	Backfilling Activities	0.009	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/19/05	Rainy, 60F	From SE	10:35	1	Southeast Perimeter of Southern PAH Zone	T&D CAT 2 Soil	0.005	None	0	-	Upwind PAML
5/19/05	Rainy, 60F	From SE	10:45	4	Northwest Perimeter of Northern PAH Zone	T&D CAT 2 Soil	0.008	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/20/05	Partly Cloudy, 63F	From NE	12 02	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2 Soil	0 021	None	0	-	Downwind PAML
5/20/05	Partly Cloudy, 63F	From NE	12 07	3	East of Asphalt Parking Lot	T&D CAT 2 Soil	0 028	None	0	-	Upwind TAML
5/20/05	Partly Cloudy, 63F	From NE	14 10	5	Southwest Penmeter of Southern PAH Zone	T&D CAT 2 Soil	0 025	None	0	-	Downwind PAML
5/20/05	Partly Cloudy, 63F	From NE	14 16	3	East of Asphalt Parking Lot	T&D CAT 2 Soil	0 026	None	0	-	Upwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/23/05	Partly Cloudy, 66F	From N	9 58	2	Southeast Corner of Data Management Bldg	T&D CAT 2 Soil	0 039	None	0	-	Downwind TAML
5/23/05	Partly Cloudy, 66F	From N	10 02	3	East of Asphalt Parking Lot	T&D CAT 2 Soil	0 054	None	0	-	Upwind TAML
5/23/05	Partly Cloudy, 66F	From N	13 44	2	Southeast Corner of Data Management Bldg	T&D CAT 2 Soil	0 016	None	0	-	Downwind TAML
5/23/05	Partly Cloudy, 66F	From N	13 47	3	East of Asphalt Parking Lot	T&D CAT 2 Soil	0 01	None	0	-	Upwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/24/05	Partly Cloudy, 61F	From NNE	9 43	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2 Soil	0 082	None	0	-	Downwind PAML
5/24/05	Partly Cloudy, 61F	From NNE	9 48	3	East of Asphalt Parking Lot	T&D CAT 2 Soil	0 015	None	0	-	Upwind TAML
5/24/05	Partly Cloudy, 61F	From NNE	13 59	5	Southwest Perimeter of Southern PAH Zone	T&D CAT 2 Soil	0 035	None	0	-	Downwind PAML
5/24/05	Partly Cloudy, 61F	From NNE	14 02	3	East of Asphalt Parking Lot	T&D CAT 2 Soil	0 002	None	0	-	Upwind TAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/25/05	Mostly Sunny, 65F	From E	9:52	2	Southeast Corner of Data Management Bldg	Backfilling Activities, T&D CAT 2 Soil	0.019	None	0	-	Upwind TAML
5/25/05	Mostly Sunny, 65F	From E	9:55	5	Southwest Perimeter of Southern PAH Zone	Backfilling Activities, T&D CAT 2 Soil	0.015	None	0	-	Downwind PAML
5/25/05	Mostly Sunny, 65F	From E	13:57	2	Southeast Corner of Data Management Bldg	Backfilling Activities, T&D CAT 2 Soil	0.008	None	0	-	Upwind TAML
5/25/05	Mostly Sunny, 65F	From E	13:52	5	Southwest Perimeter of Southern PAH Zone	Backfilling Activities, T&D CAT 2 Soil	0.014	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID³ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
5/26/05	Partly Cloudy, 69F	From W	10 00	2	Southeast Corner of Data Management Bldg	Backfilling Activities	0.005	None	0	-	Downwind TAML
5/26/05	Partly Cloudy, 69F	From W	10 03	5	Southwest Perimeter of Southern PAH Zone	Backfilling Activities	0.006	None	0	-	Upwind PAML
5/26/05	Partly Cloudy, 69F	From W	13 37	2	Southeast Corner of Data Management Bldg	Backfilling Activities	0.007	None	0	-	Downwind TAML
5/26/05	Partly Cloudy, 69F	From W	13 41	5	Southwest Perimeter of Southern PAH Zone	Backfilling Activities	0.014	None	0	-	Upwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/1/05	Partly Cloudy, 74F	From E	10:47	2	Southeast Corner of Data Management Bldg	Import topsoil, backfilling activities	0.013	None	0	-	Upwind TAML
6/1/05	Partly Cloudy, 74F	From E	10:43	5	Southwest Perimeter of Southern PAH Zone	Import topsoil, backfilling activities	0.009	None	0	-	Downwind PAML
6/1/05	Partly Cloudy, 74F	From E	13:34	2	Southeast Corner of Data Management Bldg	Import topsoil, backfilling activities	0.019	None	0	-	Upwind TAML
6/1/05	Partly Cloudy, 74F	From E	13:37	5	Southwest Perimeter of Southern PAH Zone	Import topsoil, backfilling activities	0.018	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID³ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/2/05	Partly Cloudy, 72F	From E	11 17	2	Southeast Corner of Data Management Bldg	Expand Excavations	0.027	None	0	-	Upwind TAML
6/2/05	Partly Cloudy, 72F	From E	11 13	5	Southwest Perimeter of Southern PAH Zone	Expand Excavations	0.082	None	0	-	Downwind PAML

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**DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS**

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m³)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/3/05	Cloudy, 69F	From E	11 48	2	Southeast Corner of Data Management Bldg	Backfilling Activities	0.038	None	0	-	Upwind TAML
6/3/05	Cloudy, 69F	From E	11 52	5	Southwest Perimeter of Southern PAH Zone	Backfilling Activities	0.035	None	0	-	Downwind PAML
6/3/05	Cloudy, 69F	From E	13 45	2	Southeast Corner of Data Management Bldg	Backfilling Activities	0.099	None	0	-	Upwind TAML
6/3/05	Cloudy, 69F	From E	13 48	5	Southwest Perimeter of Southern PAH Zone	Backfilling Activities	0	None	0	-	Downwind PAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

Date	Weather	Wind Direction	Time	Loc #	Description	Activity	Airborne Particulate (mg/m3) ¹	Visual Dust	PID ⁵ (ppm) ²	Benzene Dreager Tube (ppm)	Comment
6/6/2005	Sunny, 87	From W	8:43	2	Southeast Corner of Data Management Bldg	Backfilling Activities, Importing Topsoil	0.004	None	0	-	Downwind TAML
6/6/2005	Sunny, 87	From W	8:46	5	Southwest Perimeter of Southern PAH Zone	Backfilling Activities, Importing Topsoil	0.002	None	0	-	Upwind PAML
6/6/2005	Sunny, 87	From W	13:48	2	Southeast Corner of Data Management Bldg	Backfilling Activities, Importing Topsoil	0.047	None	0	-	Downwind TAML
6/6/2005	Sunny, 87	From W	13:51	5	Southwest Perimeter of Southern PAH Zone	Backfilling Activities, Importing Topsoil	0.001	None	0	-	Upwind PAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/7/2005	Sunny, 75F	From W	11 01	4	Northwest Perimeter of Northern PAH Zone	Backfilling Activities	0.023	None	0	-	Upwind PAML
6/7/2005	Sunny, 75F	From W	11 10	3	East of Asphalt Parking Lot	Backfilling Activities	0.011	None	0	-	Downwind TAML
6/7/2005	Sunny, 75F	From W	14 45	4	Northwest Perimeter of Northern PAH Zone	Backfilling Activities	0.001	None	0	-	Upwind PAML
6/7/2005	Sunny, 75F	From W	14 56	3	East of Asphalt Parking Lot	Backfilling Activities	0.003	None	0	-	Downwind TAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)</i> ¹	<i>Visual Dust</i>	<i>PID</i> ⁵ <i>(ppm)</i> ²	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/8/2005	Sunny, 85F	From W	10:36	4	Northwest Perimeter of Northern PAH Zone	Import topsoil	0.01	None	0	-	Upwind PAML
6/8/2005	Sunny, 85F	From W	10:47	3	East of Asphalt Parking Lot	Import topsoil	0.015	None	0	-	Downwind TAML

¹ - mg/m³ - milligrams per cubic meter

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⁴ - TAML - temporary air monitoring location

⁵ - PID - photoionization detector

DAILY AIR MONITORING DATA LOGS
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)¹</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/9/2005	Partly Cloudy, 83F	From SSW	9 25	5	Southwest Perimeter of Southern PAH Zone	Import topsoil, backfilling activities	0 009	None	0	-	Upwind PAML
6/9/2005	Partly Cloudy, 83F	From SSW	9 30	3	East of Asphalt Parking Lot	Import topsoil, backfilling activities	0 024	None	0	-	Downwind TAML
6/9/2005	Partly Cloudy, 83F	From SSW	14 30	5	Southwest Perimeter of Southern PAH Zone	Import topsoil, backfilling activities	0 007	None	0	-	Upwind PAML
6/9/2005	Partly Cloudy, 83F	From SSW	14 33	3	East of Asphalt Parking Lot	Import topsoil, backfilling activities	0 036	None	0	-	Downwind TAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/14/2005	Scattered Clouds, 77F	From SW	10 38	3	East of Asphalt Parking Lot	Import topsoil	0.147	some	0	-	Downwind TAML
6/14/2005	Scattered Clouds, 77F	From SW	10 46	4	North End of Northern PAH Zone	Import topsoil	0.123	yes	0	-	Upwind PAML
6/14/2005	Partly sunny,80F	From SW	13 47	3	East of Asphalt Parking Lot	Import topsoil	0.08	yes, due to high winds	0	-	Downwind TAML, meter reading unstable
6/14/2005	Partly sunny,80F	From SW	14 00	4	North End of Northern PAH Zone	Import topsoil	0.18	slight	0	-	Upwind PAML, meter reading unstable

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 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/15/2005	Overcast, 66F	From W	9 51	4	North End of Northern PAH Zone	Place 4-inch sand in southern one third of Site	0 013	none	0	-	Upwind PAML
6/15/2005	Overcast, 66F	From W	10 03	3	East of Asphalt Parking Lot	Place 4-inch sand in southern one third of Site	0 066	slight	0	-	Downwind TAML
6/15/2005	Overcast, 70F	From W	13 22	5	Southwest Corner of Southern PAH Zone	Place 4-inch sand in southern one third of Site	0 033	none	0	-	Upwind PAML
6/15/2005	Overcast, 70F	From W	13 28	3	East of Asphalt Parking Lot	Place 4-inch sand in southern one third of Site	0 01	none	0	-	Downwind TAML

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 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/16/2005	Clear, 57F	From W	8:31	3	East of Asphalt Parking Lot	Place cover sand in southern one third of Site	0.009	none	0	-	Downwind TAML
6/16/2005	Clear, 57F	From W	8:40	4	North End of Northern PAH Zone	Place cover sand in southern one third of Site	0	none	0	-	Upwind PAML
6/16/2005	Clear, 75F	From W	13:27	4	North End of Northern PAH Zone	Place cover sand in southern one third of Site	0.013	none	0	-	Upwind PAML
6/16/2005	Clear, 75F	From W	13:41	3	East of Asphalt Parking Lot	Place cover sand in southern one third of Site	0.013	none	0	-	Downwind TAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/17/2005	Scattered Clouds, 61F	From NW	9 11	6	Northeast Corner of Site	Place cover sand in northern one third of Site	0 007	none	0	-	Upwind PAML
6/17/2005	Scattered Clouds, 61F	From NW	9 17	2	Southeast Corner of Data Mgmt Bldg	Place cover sand in northern one third of Site	0 008	none	0	-	Downwind TAML
6/17/2005	Cloudy, 65F	From N	13 17	6	Northeast Corner of Site	Place cover sand in middle one third of Site	0 015	none	0	-	Upwind PAML
6/17/2005	Cloudy, 65F	From N	13 27	3	East of Asphalt Parking Lot	Place cover sand in middle one third of Site	0 002	none	0	-	Downwind TAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/20/2005	Clear, 76F	From SW	10 20	5	Southwest Corner of Southern PAH Zone	Place topsoil in southern one third of Site	0 039	none	0	-	Upwind PAML
6/20/2005	Clear, 76F	From SW	10 13	2	Southeast Corner of Data Mngmt Bldg	Place topsoil in southern one third of Site	0 018	none	0	-	Downwind TAML
6/20/2005	Clear, 75F	From S		1	Southeast Corner of Southern PAH Zone	Place topsoil in southern one third of Site	0 01	none	0	-	Upwind PAML
6/20/2005	Clear, 75F	From S		4	North End of Northern PAH Zone	Place topsoil in southern one third of Site	0	none	0	-	Downwind PAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/21/2005	Clear, 75F	From W	11 10	5	Southwest Corner of Southern PAH Zone	Place topsoil in southern one third of Site	0	none	0	-	Upwind PAML
6/21/2005	Clear, 75F	From W	11 06	2	Southeast Corner of Data Mngmt Bldg	Place topsoil in southern one third of Site	0.029	none	0	-	Downwind TAML
6/21/2005	Clear, 90F	From N	14 19	4	North End of Northern PAH Zone	Place topsoil in southern one third of Site	0.032	none	0	-	Upwind PAML
6/21/2005	Clear, 90F	From N	14 25	1	Southeast Corner of Southern PAH Zone	Place topsoil in southern one third of Site	0.025	none	0	-	Downwind PAML

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DAILY AIR MONITORING DATA LOGS
REMEDIAL ACTION
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

Date	Weather	Wind Direction	Time	Loc #	Description	Activity	Airborne Particulate (mg/m3) ¹	Visual Dust	PID ⁵ (ppm) ²	Benzene Dreager Tube (ppm)	Comment
6/22/2005	Clear, 74F	From N	10 15	4	Southwest Corner of Southern PAH Zone	Place topsoil in southern one third of Site	0.001	none	0	-	Upwind PAML
6/22/2005	Clear, 74F	From N	10 23	5	Southeast Corner of Data Mgmt Bldg	Place topsoil in southern one third of Site	0.01	none	0	-	Downwind PAML
6/22/2005	Clear, 82F	From N	13 15	1	North End of Northern PAH Zone	Place topsoil in southern one third of Site	0.006	none	0	-	Upwind PAML
6/22/2005	Clear, 82F	From N	13 27	3	Southeast Corner of Southern PAH Zone	Place topsoil in southern one third of Site	0.023	none	0	-	Downwind TAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/23/2005	Clear, 73F	From S	10:32	1	Southeast Corner of Southern PAH Zone	Place topsoil in middle one third of Site	0.033	none	0	-	Upwind PAML
6/23/2005	Clear, 73F	From S	10:40	6	Northeast Corner of Site	Place topsoil in middle one third of Site	0.041	none	0	-	Downwind PAML
6/23/2005	Clear, 82F	From S	12:57	1	Southeast Corner of Southern PAH Zone	Place topsoil in middle one third of Site	0.024	none	0	-	Upwind PAML
6/23/2005	Clear, 82F	From S	13:12	6	Northeast Corner of Site	Place topsoil in middle one third of Site	0.035	none	0	-	Downwind TAML

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 REMEDIAL ACTION
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 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/24/2005	Clear, 88F	From W	11 05	5	Southwest Corner of Southern PAH Zone	Place topsoil in north one third of Site	0.046	none	0	-	Upwind PAML
6/24/2005	Clear, 88F	From W	11 10	3	East of Asphalt Parking Lot	Place topsoil in north one third of Site	0.068	slight	0	-	Downwind TAML
6/24/2005	Clear, 96F	From W	14 20	5	Southwest Corner of Southern PAH Zone	Place topsoil in north one third of Site	0.032	slight	0	-	Upwind PAML
6/24/2005	Clear, 96F	From W	14 32	3	East of Asphalt Parking Lot	Place topsoil in north one third of Site	0.047	none	0	-	Downwind TAML

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 REMEDIAL ACTION
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 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)¹</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
6/27/2005	Clear, 85F	From S	10 19	1	Southeast Corner of Southern PAH Zone	Place topsoil in north one third of Site	0.095	none	0	-	Upwind PAML
6/27/2005	Clear, 85F	From S	10 27	4	North End of Northern PAH Zone	Place topsoil in north one third of Site	0.084	slight	0	-	Downwind PAML
6/27/2005	Hazy, 90F	From S	14 14	1	Southeast Corner of Southern PAH Zone	Place topsoil in north one third of Site	0.11	none	0	-	Upwind PAML
6/27/2005	Hazy, 90F	From S	14 23	6	Northeast Corner of Site	Place topsoil in north one third of Site	0.075	slight	0	-	Downwind PAML

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6/28/2005	Scattered Clouds, 81F	From SSW	11 05	1	Southeast Corner of Southern PAH Zone	Grading placed topsoil	0	none	0	-	Upwind PAML
6/28/2005	Scattered Clouds, 81F	From SSW	11 15	6	Northeast Corner of Site	Grading placed topsoil	0	none	0	-	Downwind PAML
6/28/2005	Clear, 90F	From W	13 21	4	North end of Northern PAH Zone	Grading placed topsoil	0	none	0	-	Upwind PAML
6/28/2005	Clear, 90F	From W	13 30	3	East of Asphalt Parking Lot	Grading placed topsoil	0.01	none	0	-	Downwind TAML

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6/29/2005	Clear, 82F	From S	9:41	1	Southeast Corner of Southern PAH Zone	Grade topsoil in middle one third of Site	0	none	0	-	Upwind PAML
6/29/2005	Clear, 82F	From S	9:48	6	Northeast Corner of Site	Grade topsoil in middle one third of Site	0	none	0	-	Downwind PAML
6/29/2005	Clear, 85F	From N	13:33	6	Northeast Corner of Site	Grade topsoil in middle one third of Site	0	none	0	-	Upwind PAML
6/29/2005	Clear, 85F	From N	13:40	5	Southwest Corner of Southern PAH Zone	Grade topsoil in middle one third of Site	0.01	none	0	-	Downwind PAML

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6/30/2005	Clear, 78F	From SW	9 17	5	Southwest Corner of Southern PAH Zone	import/place topsoil	0 009	none	0	-	Upwind PAML
6/30/2005	Clear, 78F	From SW	9 29	6	Northeast Corner of Site	import/place topsoil	0 004	none	0	-	Downwind PAML
6/30/2005	Clear, 92F	From SW	14 12	5	Southwest Corner of Southern PAH Zone	import/place topsoil	0 005	none	0	-	Upwind PAML
6/30/2005	Clear, 92F	From SW	14 21	6	Northeast Corner of Site	import/place topsoil	0 04	none	0	-	Downwind PAML

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7/5/2005	Clear, 78F	From N	9 28	6	Northeast Corner of Site	Grade topsoil	0	none	0	-	Upwind PAML
7/5/2005	Clear, 78F	From N	9 19	5	Southwest Corner of Southern PAH Zone	Grade topsoil	0	none	0	-	Downwind PAML
7/5/2005	Cloudy, 82F	From N	14 49	1	Southeast Corner of Southern PAH Zone	Grade topsoil	0.014	none	0	-	Downwind PAML
7/5/2005	Cloudy, 82F	From N	15 00	6	Northeast Corner of Site	Grade topsoil	0.015	none	0	-	Upwind PAML

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7/6/2005	Cloudy, 78F	From E	9:32	3	East of Asphalt Parking Lot	import/place topsoil	0.034	none	0	-	Upwind TAML
7/6/2005	Cloudy, 78F	From E	9:40	4	North End of Northern PAH Zone	import/place topsoil	0.026	none	0	-	Downwind PAML
7/6/2005	Cloudy, 80F	From E	15:10	3	East of Asphalt Parking Lot	import/place topsoil	0.002	none	0	-	Upwind TAML
7/6/2005	Cloudy, 80F	From E	15:18	4	North End of Northern PAH Zone	import/place topsoil	0.015	none	0	-	Downwind PAML

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<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
7/7/2005	Clear, 80F	From NE	10:58	5	Southwest Corner of Southern PAH Zone	import/place topsoil in northern one third of Site	0.006	none	0	-	Downwind PAML
7/7/2005	Clear, 80F	From NE	11:07	6	Northeast Corner of Site	import/place topsoil in northern one third of Site	0	none	0	-	Upwind PAML
7/7/2005	Clear, 80F	From N	13:42	6	Northeast Corner of Site	import/place topsoil in northern one third of Site	0.002	none	0	-	Upwind PAML
7/7/2005	Clear, 80F	From N	13:58	5	Southwest Corner of Southern PAH Zone	import/place topsoil in northern one third of Site	0.001	none	0	-	Downwind PAML

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DAILY AIR MONITORING DATA LOGS
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
7/8/2005	Clear, 82F	From N	10 03	6	Northeast Corner of Site	import/place topsoil in DSS area	0.001	none	0	-	Upwind PAML
7/8/2005	Clear, 82F	From N	10 13	1	Southeast Corner of Southern PAH Zone	import/place topsoil in DSS area	0	none	0	-	Downwind PAML
7/8/2005	Clear, 82F	From N	14 15	6	Northeast Corner of Site	import/place topsoil in DSS area	0.003	none	0	-	Upwind PAML
7/8/2005	Clear, 82F	From N	14 23	1	Southeast Corner of Southern PAH Zone	import/place topsoil in DSS area	0	none	0	-	Downwind PAML

¹ - mg/m³ - milligrams per cubic meter

² - ppm - parts per million

³ - PAML - perimeter air monitoring location

⁴ - TAML - temporary air monitoring location

⁵ - PID - photoionization detector

DAILY AIR MONITORING DATA LOGS
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
7/11/2005	Cloudy, 80F	From NE	10:56	6	Northeast Corner of Site	import topsoil	0	none	0	-	Upwind PAML
7/11/2005	Cloudy, 80F	From NE	11:01	4	North End of Northern PAH Zone	import topsoil	0.011	none	0	-	Downwind PAML
7/11/2005	Cloudy, 80F	From NE	13:38	6	Northeast Corner of Site	import topsoil	0	none	0	-	Upwind PAML
7/11/2005	Cloudy, 80F	From NE	13:47	4	North End of Northern PAH Zone	import topsoil	0.012	none	0	-	Downwind PAML

¹ - mg/m³ - milligrams per cubic meter

² - ppm - parts per million

³ - PAML - perimeter air monitoring location

⁴ - TAML - temporary air monitoring location

⁵ - PID - photoionization detector

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc. #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
7/13/2005	Scattered T- storms, 83F	From NE	11 45	5	Southwest Corner of Southern PAH Zone	Grading topsoil	0 034	none	0	-	Downwind PAML
7/13/2005	Scattered T- storms, 83F	From NE	11 54	3	East of Asphalt Parking Lot	Grading topsoil	0 018	none	0	-	Upwind TAML
7/13/2005	Scattered T- storms, 83F	From NE	12 54	5	Southwest Corner of Southern PAH Zone	Grading topsoil	0 067	none	0	-	Downwind PAML
7/13/2005	Scattered T- storms, 83F	From NE	12 58	3	East of Asphalt Parking Lot	Grading topsoil	0 016	none	0	-	Upwind TAML

DAILY AIR MONITORING DATA LOGS
 REMEDIAL ACTION
 WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
 WAUKEGAN, ILLINOIS

<i>Date</i>	<i>Weather</i>	<i>Wind Direction</i>	<i>Time</i>	<i>Loc #</i>	<i>Description</i>	<i>Activity</i>	<i>Airborne Particulate (mg/m3)¹</i>	<i>Visual Dust</i>	<i>PID⁵ (ppm)²</i>	<i>Benzene Dreager Tube (ppm)</i>	<i>Comment</i>
7/14/2005	Clear, 78F	From N	10 12	6	Northeast Corner of Site	import stone for Larsen Marine	0.012	none	0	-	Upwind PAML
7/14/2005	Clear, 78F	From N	10 18	5	Southwest Corner of Southern PAH Zone	import stone for Larsen Marine	0	none	0	-	Downwind PAML
7/14/2005	Clear, 85F	From N	13 08	6	Northeast Corner of Site	import stone for Larsen Marine	0.016	none	0	-	Upwind PAML
7/14/2005	Clear, 85F	From N	13 21	5	Southwest Corner of Southern PAH Zone	import stone for Larsen Marine	0.03	none	0	-	Downwind PAML

¹ - mg/m³ - milligrams per cubic meter

² - ppm - parts per million

³ - PAML - perimeter air monitoring location

⁴ - TAML - temporary air monitoring location

⁵ - PID - photoionization detector

APPENDIX F

SIGNATORY PAGE OF THE QAPP

QUALITY ASSURANCE PROJECT PLAN (QAPP)

PROJECT TITLE: REMEDIAL ACTION/SOIL OPERABLE UNIT
WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE
WAUKEGAN, ILLINOIS

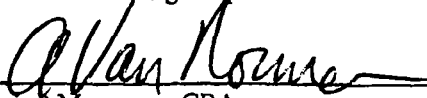
REVISION NUMBER: 1

REVISION DATE:

PREPARED BY: CONESTOGA-ROVERS & ASSOCIATES

PREPARED FOR: Performing Respondents

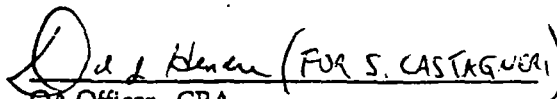
Approved By:


Project Manager - CRA
Alan Van Norman

Date:

4-28-05

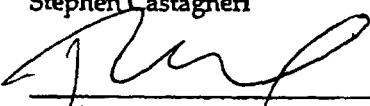
Approved By:

 (FOR S. CASTAGNERI)
QA Officer - CRA
Stephen Castagneri

Date:

2-28-05


Approved By:


Field QA Officer - CRA
Walter Pochron

Date:

Apr 28/05

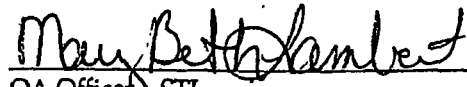
Approved By:


Project Manager - STL
Amy McCormick

Date:

2-25-05

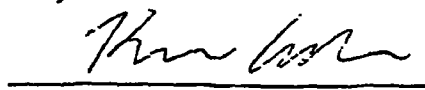
Approved By:


QA Officer - STL
Mary Beth Lambert

Date:

2-28-05


Approved By:


U.S. EPA Remedial Project Manager
Kevin Adler

Date:

2/22/2005

Approved By:


U.S. EPA Region 5 Quality Assurance Reviewer
Warren W. Layne, Ph.D. Chemist

Date:

02/22/2005

APPENDIX G

PRE-CONSTRUCTION MEETING MINUTES



MEETING MINUTES

Reference No. 19023

PROJECT: Waukegan Manufactured Gas and Coke Plant

CLIENT: CD SOW

CLIENT REFERENCE NO.:

RE: Pre-Construction Meeting

LOCATION: Waukegan, Illinois

DATE: November 17, 2004

TIME: 10:30AM

Participants:

Kevin Adler, USEPA	Erin Rednour, IEPA	Jewelle Keiser, CH2MHill	Keli McKenna, CH2MHill
Gary Diegan, Diegan & Associates	Steve Matuszak, North Shore Gas	Larry Milner, Burns and McDonnell	Randy Campbell, Severson
Curtis Taylor, SES	Mike Lock, SES	Dan Kattalia, SES	Steve Sharp, SES
Chris Rice, SES	Jim Langseth, Barr	Alan Van Norman, CRA	Tim Leo, CRA

Distribution:

<input checked="" type="checkbox"/> File <input checked="" type="checkbox"/> Participants			
Jim Campbell			
Julie Sullivan			

Item	Description	Action By
<u>MEETING SUMMARY</u>		
1.	<p>A summary of the meeting discussion is presented in the order of the Agenda Items. Additional detail has been added to some items to elaborate on the discussion and clarify the procedures that will be followed.</p> <p><u>INTRODUCTION</u></p> <p>All individuals introduced themselves and explained their individual role or responsibility to the soil remedial action. Roles and responsibilities are reflected in the "Attendees" list above. After the Site phones have been installed a Site contact list will be circulated.</p>	CRA

Item	Description	Action By
2.	<p><u>METHODS FOR DOCUMENTING AND REPORTING INSPECTION DATA</u></p> <p>Data will be routinely collected to document the quality and quantity of materials handled and/or disposed of. Data will consist of topographic survey results, sample locations, sample chain of custody, sample results (TASP categorization samples, excavation limit verification samples, air monitoring results, wastewater), shipping records, photographs, site plans and figures tracking the work as actually completed.</p> <p>Data will be documented as follows:</p> <ul style="list-style-type: none"> • Survey Results – SES subcontract surveyor will provide survey results on a site plan, clearly indicating the date of survey. SES will provide copies of survey results to CRA. CRA has the option to conduct a second survey to confirm the original survey if determined necessary and appropriate. • Sample Locations – CRA will record sample locations in a Site-specific field book and summarize locations on a site plan. • Sample Chain-of-Custody – to be completed by sample collector and filed at CRA Site office. • Sample Results – Soil samples collected by CRA will have an electronic deliverable sent to CRA Chicago and a paper deliverable sent to the Site. Treated wastewater samples and soil characterization samples that may be collected by SES will be reported on hard copy to SES and SES will report to CRA. The results of air monitoring conducted by CRA will be recorded on a daily summary form. The results of work zone monitoring conducted by SES will only be recorded when there is an exceedence of action levels. The exceedence, a summary of the activity in progress when the exceedence occurred and mitigation measures will be recorded in the project file. • Shipping Records – CRA will maintain a summary of truckloads shipped off-Site • Photographs – CRA will take photographs periodically during the work and compile a photo log • Site Plans and Figures – Site plans and figures will be updated with new survey information periodically as it is received. Changes to site features such as fence location and demolition of structures will be recorded on the Site plans. <p>A Site meeting will be held every second Tuesday at 10 00 AM to review progress and to discuss the work anticipated for the following two weeks. The first meeting will be held on January 11,2005.</p> <p>Raw data will be made available every two weeks as it is generated. All data will be summarized and appended to the Pre-Final Inspection and Final inspection Reports.</p>	<p>CRA</p> <p>ALL</p> <p>CRA</p>



Item	Description	Action By
3.	<p><u>METHODS FOR DISTRIBUTING AND STORING DOCUMENTS AND REPORTS</u></p> <p>Data described above in item 2 will be distributed every second week at the bi-weekly meeting. USEPA, IEPA, CH2MHill and the City of Waukegan will each get one copy of the data that has been generated since the last bi-weekly meeting. Data packages not picked up at the meeting will be shipped via the lowest cost courier available at the time.</p> <p>The Pre-Final and final Reports will be prepared off-site and will be shipped via overnight courier when complete.</p> <p>Documents and Reports prepared by SES will be stored in organized filing cabinets in the SES Site office. A copy of all SES reports will be stored at the SES Midwest office in Merrillville, Indiana. Upon submittal to CRA a copy of all SES documents and reports will be stored in organized filing cabinets in the CRA trailer.</p> <p>All soil data reported directly to CRA from a laboratory will be stored electronically at CRA's Chicago office with a hard copy filed at the CRA Site office.</p> <p>Reports generated by CRA will be stored in hard copy at the CRA Site office and in hard copy and/or electronically at CRA's Chicago office</p>	CRA
4.	<p><u>SECURITY AND SAFETY</u></p> <p>The Site is fenced on three of four sides. The fourth side is accessible from the water but this would require landing from a boat and is considered be an unlikely occurrence, particularly during the winter. The access gates will be closed and locked at all times that SES is not present on Site. When SES is not present a security guard monitors the main gate and Site office compound.</p> <p>All persons entering the Site will be required to sign in and out. Individuals from the corporate entities USEPA, IEPA, CH2MHill and Diegan & Associates will be allowed on Site as unescorted visitors. Unescorted visitors must provide individual proof of compliance with 40 CFR 1910 to SES and each individual must check in with the SES Health and Safety Officer before every entry into the Site. The individual requiring entry will advise SES of where they will be working or observing on-Site and how long they expect to be on Site, SES will advise each individual where heavy equipment is expected to be operating. The unescorted visitors identified above will be operating in compliance with their own Health and Safety Plan. It was agreed that all parties would exchange Health and Safety Plans. It was further agreed that an evacuation signal must be developed for the Site that would be recognized by all parties.</p>	ALL



Item	Description	Action By
4.	<p><u>SECURITY AND SAFETY</u></p> <p>Other visitors are discouraged. However, if necessary, other visitor with legitimate needs to be on on-Site will be permitted on Site with an escort from either SES or CRA. Both SES and CRA must be advised when an escorted visitor is on-Site. Visitors requiring an escort will be encouraged to plan their time on-Site in advance, short notice visitors may have to wait for an escort. Escorted visitors will not be allowed near the working face.</p> <p>SES will maintain OSHA required documentation for all persons authorized to be on-Site. All persons should bring a copy of their OSHA documentation the next time they intend to be on-Site and leave the copy with SES to keep on file at the Site.</p> <p>The route to the hospital will be posted in each trailer. In the event of an injury accident, 911 will be called for serious injury. Any entity may escort its own workers or staff with non-urgent injuries to the hospital.</p>	
5.	<p><u>RA WORK PLAN MODIFICATIONS</u></p> <p>No modifications to the RA Work Plan are planned. Should any modifications become necessary they will be raised at the bi-weekly meeting. Documentation of any proposed modification will depend on the significance and magnitude of the proposed modification.</p>	
6.	<p><u>GENERAL REVIEW OF WORK TO BE CONDUCTED</u></p> <p>Drawing C-03 from the Contract Specifications was used to facilitate a general discussion of the work to be performed. Excavation will begin in the southwest corner of the large PRZ along the southern boundary of the Site. This area was selected to start as it has a high probability of generating 1,000 tons of category 1 material for a test burn at the Colmac PA facility before the SES holiday shut down that is scheduled to begin on December 18. Working in this area will require co-ordination with BRP. SES will excavate the BRP parking lot soils first provided that the parking lot can be restored with a gravel surface prior to December 17. Beginning January 3, 2005 work will continue in the southern area of the Site until the excavation reaches the main haul road. Excavation will then shift to the northern boundary of the Site and will work south from there. The ARZ will excavated last. The DSS will be excavated when weather conditions prevent excavation and loading from other locations. Building demolition is expected to begin in January. This will require asbestos and refrigerant removal in December. It was identified that the former OMC IT building remains full of old files and cannot presently be accessed by the contractor.</p> <p>Wastewater will be stored throughout the winter and will be treated on-Site beginning in March or April.</p>	SES



<i>Item</i>	<i>Description</i>	<i>Action By</i>
7.	<u>SITE INSPECTION</u>	
	The meeting reconvened outside. An inspection of the southern boundary was conducted by all attendees, except Mr. Diegan. It was determined that truck access to the BRP fuel tanks should not be a problem unless the planned excavation limits were exceeded to the south.	

☐ Attachments: _____

Prepared By: Alan Van Norman Date Issued: November 29, 2004

This confirms and records CRA's interpretation of the discussions which occurred and our understanding reached during this meeting. Unless notified in writing within 7 days of the date issued, we will assume that this recorded interpretation or description is complete and accurate.

APPENDIX H

MONITORING WELL ABANDONMENT PERMIT APPLICATION,
LAKE COUNTY HEALTH DEPARTMENT APPROVAL LETTER,
AND MONITORING WELL ABANDONMENT LOGS



Health Department and
Community Health Center

Dale W. Galassie, M A , M.S.
Executive Director

Environmental Health Services
121 East Grand Avenue
Lake Villa, Illinois 60046-7829
Phone 847 356 6222
Fax 847 356 3506

January 20,2005

Sevenson Environmental Services Inc.
8270 Whitcomb St.
Merrillville, Indiana 46410

Re: A/P 134075
PIN# 08-22-100-064
Waukegan Gas and Coke Plant Site
Waukegan, IL 60085
OMC MW-1

Rec'd CRA
JAN 31 2005

Dear Steve Sharp:

The Lake County Health Department has received and reviewed your letter outlining the well monitoring abandonment procedure. This Department has no objection to have this well sealed in the manner in which you have described.

Please notify this Department within 48 hrs. prior to sealing the well. We appreciate your cooperation and if you have any questions concerning this matter please contact me at (847) 356-6222 and refer to A/P 134075.

Sincerely,

Arnie Rapa, R.S.
Registered Sanitarian

AR:rd



**Sevenson
Environmental
Services, Inc.**

LETTER OF TRANSMITTAL

8270 Whitcomb Street
Merrillville, IN 46410
(219) 756-4686

TO: Conestoga-Rover & Associates	DATE: May 26, 2005
ADDRESS: 8615 West Bryn Mawr Ave.	JOB NO.: E 855
CITY: Chicago, IL 60631-3501	RE: Well Abandonment Section 02528-3.3 B
ATTENTION: Mr. Tim Leo	

PLEASE BE ADVISED:

WE ARE SENDING YOU:

☐ PRINTS

☐ PLANTS

☐ ARTWORK

☐ PROOFS

☐ Analytical

X Attached

☐ SHOP DRAWINGS

☐ PHOTOGRAPHS

☐ Under Separate Cover Via The Following:

☐ SAMPLES

☐ SPECIFICATIONS

☒ COPY OF LETTER(s)

☐ CHANGE ORDER

	No. of Copies	Drawing No.	Date	Description
1	8		5/26/05	Well Abandonment Logs
2				
3				
4				
5				

THESE ARE BEING TRANSMITTED AS INDICATED BELOW:

☒ AS REQUESTED

☐ APPROVED AS IS

☐ SUBMIT COPIES FOR DISTRIBUTION

☐ FOR APPROVAL

☐ APPROVED WITH CORRECTIONS

☐ RETURN CORRECTED

☐ FOR YOUR USE

☐ RETURNED WITH CORRECTIONS

☐ RETURNED AFTER LOAN TO US

☐ FOR YOUR COMMENTS

☐ RESUBMIT COPIES FOR APPROVAL

☐

COMMENTS:

COPIES TO:

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SEVENSON ENVIRONMENTAL SERVICES, INC.

Signed

C Taylor

CURTIS
ATTN: ~~SEVENSON~~DAILY FIELD REPORT
TERRA-TRACE Environmental ServicesProject No.: 25-0008 Meet at site: Date: Weds. Jan. 12, 2004 Time: 8:00 a.m.Project Name: OMC Superfund Site Well AbandonmentClient: Steve Sharp - Severson Env.Phone No.: (219)756-4686Site Address: 180 Seahorse Dr. - Waukegan, ILDirections to site: (see map)Arrive on site: 0800 Leave Site: 4:00Total hours on site: 8 hrs

OMC-MW Well #1 OMC-1 Dia.: 1 1/4" in. Depth: 4 1/2 ft. Depth to water: 2 1/2 ft. Cover: Flush/stick up 1.5 gal

OMC-MW2 Well #2 OMC-2 Dia.: 2" in. Depth: 12.5 ft. Depth to water: 4 ft. Cover: Flush/stick up 2.5 gal

MW-95 Well #3 MW-95 Dia.: 2" in. Depth: 15 ft. Depth to water: 7 ft. Cover: Flush/stick up 4 gal

MW-90 Well #4 MW-90 Dia.: 2" in. Depth: 34 ft. Depth to water: 9 ft. Cover: Flush/stick up 7 gal

EW-4 Well #5 EW-4 Dia.: 2" in. Depth: 32.5 ft. Depth to water: 6 ft. Cover: Flush/stick up 7 gal

MW-12 Well #6 MW-12 Dia.: 2" in. Depth: 29.5 ft. Depth to water: 8 ft. Cover: Flush/stick up 6.5 gal

MW-15 Well #7 MW-15 Dia.: 2" in. Depth: 19.5 ft. Depth to water: 8 ft. Cover: Flush/stick up 4 gal

WN-3 Well cluster: #1 15.5 ft. #2 30.5 ft. #3 26.5 ft. #4 29.5 ft. #5 22 ft. Cover: Flush/stick up 4.5 gal

Depth to water: #1 6 ft. #2 12 ft. #3 13 ft. #4 12 ft. #5 12 ft.

Client Approval: C. TaylorDate: 1/12/05

TERRA-TRACE

Representative: J. HurDate: 1/12/05

WELL SEALING FORM

Lake County Health Department
Environmental Health Services

For Office Use Only

File # _____

State ID # _____



Lake County
Health Department

3818 Grand Ave
Waukegan, IL 60085
(847) 360-6740

121 E. Grand Ave
Lake Villa, IL 60046
(847) 356-6222

113 S. Main Street
Wauconda, IL 60084
(847) 526-1125

This form shall be submitted to the Lake County Health Department when any water well, boring or monitoring well is sealed. Such wells and borings must be sealed not more than 30 days after they are abandoned and/or are no longer used to provide water, or are in such a state of disrepair that they have the potential for transmitting contaminants into an aquifer or otherwise threaten the public health or safety.

Property Location:

Well # (if applicable) OMC-MW-1

Street 180 SEA HORSE DR. City WAUKEGAN
Township Waukegan County LAKE Owner OMC SUPERFUND SITE
Section 22 Twp. 45 (N) Range 12 (E) NE 1/4 of the NE 1/4 of the _____ 1/4

PERMANENT INDEX NO. (P.I.N.) _____

Well Information:

Type of Well: Drilled ☒ Driven _____ Dug _____ Other _____
Total Well depth: 8 ft. Static level 4.0 ft. Diameter: 1.5 (in.) ft.
Formation clear of obstruction(s)? YES _____ NO ☒ Depth to obstruction: 4.5 ft.
Original construction permit number (if known): _____ Depth to end of casing: 8.0 ft.
Reason(s) for sealing well: BROKEN AT SCREEN/ EXCAVATION TO REMEDIATE SOIL
Upper 2 feet of casing/lining removed? YES ☒ NO _____ If NO, Reason: _____
Was the well located in pit? YES _____ NO ☒ Was the pit properly eliminated? YES _____ NO _____

Details of Plugging Starting at Bottom of Hole

Well Disinfected? YES _____ NO ☒

From: <u>0</u> ft.	To: <u>0</u> ft.	Material: <u>NEAT LIGHT GRANT</u>
From: _____ ft.	To: _____ ft.	Material: <u>1.5 gal</u>
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____

Contractor Information:

Name: TBAA-TRACE ENV. SVCS

License Number: _____

Address: 28913 HENRY DR #305
LAKE BLUFF, IL 60044Signature: [Signature]Date Well Was Sealed: 4/28/05

For Office Use Only

Sealing witnessed by: _____

Date: _____

OR

Sealing verified by: _____

Date: _____

Indicate
North **N**

WELL

GUARD HOUSE

BOMBARDIER SITE

Indicate location of sealed well relative to two permanent landmarks

WELL SEALING FORM

Lake County Health Department
Environmental Health Services

For Office Use Only

File #

State ID #



Lake County
Health Department

3010 Grand Ave
Waukegan IL 60085
(847) 360-6740

121 E. Grand Ave
Lake Villa IL 60046
(847) 386-6222

118 S. Main Street
Wauconda IL 60084
(847) 526-1125

This form shall be submitted to the Lake County Health Department when any water well, boring or monitoring well is sealed. Such wells and borings must be sealed not more than 30 days after they are abandoned and/or are no longer used to provide water, or are in such a state of disrepair that they have the potential for transmitting contaminants into an aquifer or otherwise threaten the public health or safety.

Property Location:

Well # (if applicable) 0-MC-MW-2

Street 180 SEATHURGE DR. City WAUKEGAN
Township _____ County LAKE Owner OML SUPERFUND SITE
Section 22 Twp. 45 (N) Range 12 (E) NE 1/4 of the NE 1/4 of the 1/4

PERMANENT INDEX NO. (P.I.N.)

Well Information:

Type of Well: Drilled X Driven _____ Dug _____ Other _____
Total Well depth: 12.5 ft. Static level 4.0 ft. Diameter: 2.0 in./ft.
Formation clear of obstruction(s)? YES X NO _____ Depth to obstruction: _____ ft.
Original construction permit number (if known): _____ Depth to end of casing: 12.5 ft.
Reason(s) for sealing well: EXCAVATION TO REMEDIATE SOIL
Upper 2 feet of casing/lining removed? YES X NO _____ If NO, Reason: _____
Was the well located in pit? YES _____ NO _____ Was the pit properly eliminated? YES _____ NO _____

Details of Plugging Starting at Bottom of Hole

Well Disinfected? YES _____ NO X

From:	To:	Material:
<u>12.5</u> ft.	<u>0</u> ft.	<u>NEAT CEMENT GRANT</u>
_____ ft.	_____ ft.	<u>2.5 gal</u>
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____

Contractor Information:

Name: TRORA-TRACE ENV. SVCS

License Number: _____

Address: 2813 HENRY DR. #305
LAKE BLUFF IL 60044Signature: [Signature]Date Well Was Sealed: 1/12/05

For Office Use Only

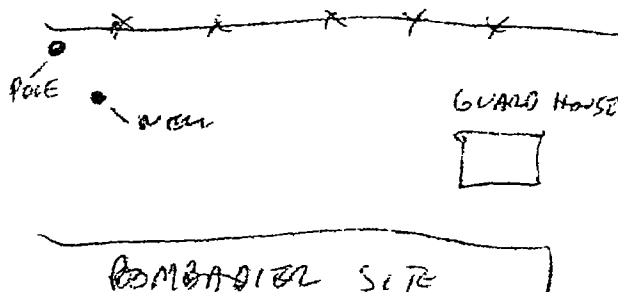
Sealing witnessed by: _____

Date: _____

OR

Sealing verified by: _____

Date: _____

Indicate North N

Indicate location of sealed well relative to two permanent landmarks

WELL SEALING FORM
Lake County Health Department
Environmental Health Services

For Office Use Only

File # _____

State ID # _____



Lake County
Health Department

3010 Grand Ave
Waukegan IL 60085
(847) 360-6740

121 E. Grand Ave
Lake Villa IL 60046
(847) 366-6222

118 S. Main Street
Wauconda IL 60084
(847) 526-1125

This form shall be submitted to the Lake County Health Department when any water well, boring or monitoring well is sealed. Such wells and borings must be sealed not more than 30 days after they are abandoned and/or are no longer used to provide water, or are in such a state of disrepair that they have the potential for transmitting contaminants into an aquifer or otherwise threaten the public health or safety.

Property Location:

Well # (if applicable) MW-75

Street 180 SEA HAWK DR. City WAUKEGAN
Township _____ County LAKE Owner OMC SUPER FUND SITE
Section 22 Twp. 45 (N) Range 12 (E) NE 1/4 of the NE 1/4 of the _____ 1/4

PERMANENT INDEX NO. (P.I.N.) _____

Well Information:

Type of Well: Drilled X Driven _____ Dug _____ Other _____
Total Well depth: 15.0 ft. Static level 7.0 ft. Diameter: 2.0 (in) ft.
Formation clear of obstruction(s)? YES X NO _____ Depth to obstruction _____ ft.
Original construction permit number (if known): _____ Depth to end of casing: 15.0 ft.
Reason(s) for sealing well: EXCAVATION TO REMEDIATE SOIL
Upper 2 feet of casing/lining removed? YES X NO _____ If NO, Reason: _____
Was the well located in pit? YES _____ NO X Was the pit properly eliminated? YES _____ NO _____

Details of Plugging Starting at Bottom of Hole

Well Disinfected? YES _____ NO X

From: <u>15.0</u> ft.	To: <u>0</u> ft.	Material: <u>NEAT CEMENT GROUT</u>
From: _____ ft.	To: _____ ft.	Material: <u>4 gal</u>
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____

Contractor Information:

Name: TERRA-TRACE ENV. SVCS

License Number: _____

Address: 28913 HENRY DR. #305LAKEVIEW RE. IL 60044Signature: [Signature]Date Well Was Sealed: 1/12/05

For Office Use Only

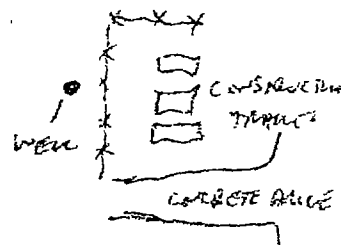
Sealing witnessed by: _____

Date: _____

OR

Sealing verified by: _____

Date: _____

Indicate North **N**

Indicate location of sealed well relative to two permanent landmarks

WELL SEALING FORM

Lake County Health Department
Environmental Health Services

For Office Use Only

File # _____

State ID # _____

Lake County
Health Department3010 Grand Ave
Waukegan IL 60085
(847) 360-6740121 E. Grand Ave
Lake Villa IL 60046
(847) 355-6222118 S. Main Street
Wauconda IL 60084
(847) 526-1128

This form shall be submitted to the Lake County Health Department when any water well, boring or monitoring well is sealed. Such wells and borings must be sealed not more than 30 days after they are abandoned and/or are no longer used to provide water, or are in such a state of disrepair that they have the potential for transmitting contaminants into an aquifer or otherwise threaten the public health or safety.

Property Location:

Well # (if applicable) MW-9DStreet: 180 SETHORGE BL.City: WAUKEGAN

Township _____

County LAKEOwner OMC SUPERFUND SITESection 22Twp. 45(N)Range 12 (E)

1/4 of the _____

1/4 of the _____

1/2

PERMANENT INDEX NO. (P.I.N.) _____

Well Information:

Type of Well: Drilled X Driven _____ Dug _____ Other _____Total Well depth: 34.0 ft. Static level 9.0 ft. Diameter: 2.0 (in)/ft.Formation clear of obstruction(s)? YES X NO _____ Depth to obstruction: _____ ft.Original construction permit number (if known): _____ Depth to end of casing: 34.0 ft.Reason(s) for sealing well: EXCAVATION TO REMEDIATE SOILUpper 2 feet of casing/lining removed? YES X NO _____ If NO, Reason: _____Was the well located in pit? YES _____ NO X Was the pit properly eliminated? YES _____ NO X

Details of Plugging Starting at Bottom of Hole

Well Disinfected? YES _____ NO _____

From: <u>34.0</u> ft.	To: <u>0</u> ft.	Material: <u>NEAT LIGHT GRANT</u>
From: _____ ft.	To: _____ ft.	Material: <u>7 gal</u>
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____

Contractor Information:

Name: TERESA - PANCE ENV. SVCS

License Number: _____

Address: 28913 HENRY #305LAKEVIEW, IL 60044Signature: [Signature]Date Well Was Sealed: 1/12/05

For Office Use Only

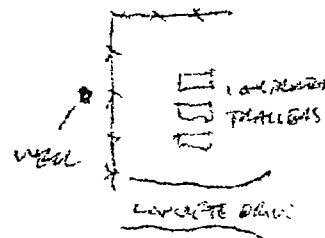
Sealing witnessed by: _____

Date: _____

OR

Sealing verified by: _____

Date: _____

Indicate North N

Indicate location of sealed well relative to two permanent landmarks

WELL SEALING FORM
Lake County Health Department
Environmental Health Services



Lake County
Health Department

3010 Grand Ave
Waukegan IL 60085
(847) 368-6748

121 E. Grand Ave
Lake Villa IL 60046
(847) 366-6222

118 S. Main Street
Wauconda IL 60084
(847) 526-1125

For Office Use Only	
File #	_____
State ID #	_____

This form shall be submitted to the Lake County Health Department when any water well, boring or monitoring well is sealed. Such wells and borings must be sealed not more than 30 days after they are abandoned and/or are no longer used to provide water, or are in such a state of disrepair that they have the potential for transmitting contaminants into an aquifer or otherwise threaten the public health or safety.

Property Location:

Well # (if applicable) EW-4

Street 180 LEAHMUSE DR City WAUKEGAN
Township _____ County LAKE Owner _____
Section 22 Twp. 45 (N) Range 12 (E) NE 1/4 of the NE 1/4 of the _____ 1/4

PERMANENT INDEX NO. (P.I.N.)

Well Information:

Type of Well: Drilled X Driven _____ Dug _____ Other _____
Total Well depth: 32.5 ft. Static level 6.0 ft. Diameter 2.0 (in)/ft.
Formation clear of obstruction(s)? YES X NO _____ Depth to obstruction: _____ ft.
Original construction permit number (if known): _____ Depth to end of casing: 32.5 ft.
Reason(s) for sealing well: EXCAVATION TO REMEDIATE SOIL
Upper 2 feet of casing/lining removed? YES X NO _____ If NO, Reason: _____
Was the well located in pit? YES _____ NO X Was the pit properly eliminated? YES _____ NO _____

Details of Plugging Starting at Bottom of Hole

Well Disinfected? YES _____ NO X

From: <u>32.5</u> ft.	To: <u>0</u> ft.	Material: <u>NEAT CEMENT GROUT</u>
From: _____ ft.	To: _____ ft.	Material: <u>7 gal</u>
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____
From: _____ ft.	To: _____ ft.	Material: _____

Contractor Information:

Name: TERRA-TRACE ENV. SVCS

License Number: _____

Address: 28919 HEBBY DR. #305
LAKE BUFF, IL 60044

Signature: [Signature]

Date Well Was Sealed: 1/12/05

For Office Use Only

Sealing witnessed by: _____

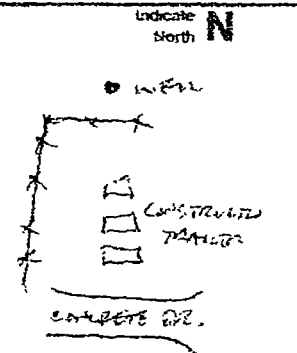
Date: _____

OR

Sealing verified by: _____

Date: _____

Indicate location of sealed well relative to two permanent landmarks



WELL SEALING FORM

Lake County Health Department
Environmental Health Services

For Office Use Only

File #

State ID #



Lake County
Health Department

2010 Grand Ave
Waukegan IL 60085
(847) 360-6740

121 E. Grand Ave
Lake Villa IL 60046
(847) 385-6222

118 S. Main Street
Wincoona IL 60084
(847) 526-1125

This form shall be submitted to the Lake County Health Department when any water well, boring or monitoring well is sealed. Such wells and borings must be sealed not more than 30 days after they are abandoned and/or are no longer used to provide water, or are in such a state of disrepair that they have the potential for transmitting contaminants into an aquifer or otherwise threaten the public health or safety.

Property Location:

Well # (if applicable) MW-10

Street 180 SCATTERSE DR. City Waukegan
Township _____ County LAKE Owner DALL SUPER FUND SITE
Section 22 Twp. 45(N) Range 12(E) NE 1/4 of the NE 1/4 of the _____ 1/4

PERMANENT INDEX NO. (P.I.N.)

Well Information:

Type of Well: Drilled ☒ Driven _____ Dug _____ Other _____
Total Well depth: 29.5 ft. Static level 8.0 ft. Diameter: 2.0 (in)/ft.
Formation clear of obstruction(s)? YES ☒ NO _____ Depth to obstruction: _____ ft.
Original construction permit number (if known): _____ Depth to end of casing: 29.5 ft.
Reason(s) for sealing well: EXHAUSTION TO REMEDIATE SOIL
Upper 2 feet of casing/lining removed? YES ☒ NO _____ If NO, Reason: _____
Was the well located in pit? YES _____ NO ☒ Was the pit properly eliminated? YES _____ NO _____

Details of Plugging Starting at Bottom of Hole

Well Disinfected? YES _____ NO ☒

From:	To:	Material:
<u>29.5</u> ft.	<u>0</u> ft.	<u>NEAT LEMONT GRANT</u>
_____ ft.	_____ ft.	<u>6.5 gal</u>
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____

Contractor Information:

Name: TERRA-TRACE ENV. SVCS
License Number: _____
Address: 28913 HEAVY DR. #305
LAKE BLUFF IL 60044
Signature: [Signature]
Date Well Was Sealed: 1/12/05

For Office Use Only

Sealing witnessed by: _____

Date: _____

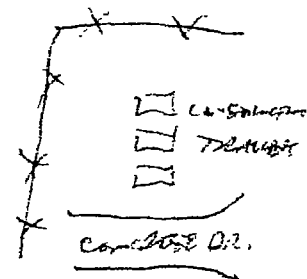
OR

Sealing verified by: _____

Date: _____

Indicate North **N**

WELL



Indicate location of sealed well relative to two permanent landmarks

WELL SEALING FORM

Lake County Health Department
Environmental Health Services

For Office Use Only

File # _____

State ID # _____



Lake County
Health Department

3010 Grand Ave
Waukegan IL 60085
(847) 360-6748

121 E. Grand Ave
Lake Villa IL 60048
(847) 368-6222

118 S. Main Street
Wauconda IL 60084
(847) 526-1126

This form shall be submitted to the Lake County Health Department when any water well, boring or monitoring well is sealed. Such wells and borings must be sealed not more than 30 days after they are abandoned and/or are no longer used to provide water, or are in such a state of disrepair that they have the potential for transmitting contaminants into an aquifer or otherwise threaten the public health or safety.

Property Location:

Well # (if applicable) MW-13

Street 180 SEAHORSE DR. City WAUKEGAN
Township _____ County LAKE Owner OMC SUPERFUND SITE
Section 22 Twp. 45 (N) Range 12 (E) NE 1/4 of the NE 1/4 of the _____ 1/4

PERMANENT INDEX NO. (P.I.N.) _____

Well Information:

Type of Well: Drilled X Driven _____ Dug _____ Other _____
Total Well depth: 19.5 ft. Static level 8.0 ft. Diameter: 2.0 (in./ft.)
Formation clear of obstruction(s)? YES X NO _____ Depth to obstruction: _____ ft.
Original construction permit number (if known): _____ Depth to end of casing: 19.5 ft.
Reason(s) for sealing well: EXCAVATION TO REMEDIATE SOIL
Upper 2 feet of casing/lining removed? YES X NO _____ If NO, Reason: _____
Was the well located in pit? YES _____ NO X Was the pit properly eliminated? YES _____ NO _____

Details of Plugging Starting at Bottom of Hole

Well Disinfected? YES _____ NO X

From:	To:	Material:
<u>19.5</u> ft.	<u>0</u> ft.	<u>NEAT CEMENT GROUT</u>
_____ ft.	_____ ft.	<u>4 gal</u>
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____

Contractor Information:

Name: TERRA-TARE ENV. SVCS

License Number: _____

Address: 28913 HENRY DR. #305Signature: [Signature]Date Well Was Sealed: 1/12/05

For Office Use Only

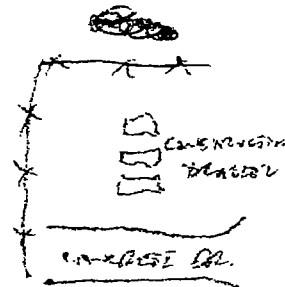
Sealing witnessed by: _____

Date: _____

OR

Sealing verified by: _____

Date: _____

Indicate North **N**

Indicate location of sealed well relative to two permanent landmarks

WELL SEALING FORM

Lake County Health Department
Environmental Health Services

For Office Use Only

File #

State ID #



Lake County
Health Department

3210 Grand Ave
Waukegan IL 60085
(847) 380-6740

121 E. Grand Ave
Lake Villa IL 60046
(847) 366-6222

118 S. Main Street
Waukegan IL 60084
(847) 326-1125

This form shall be submitted to the Lake County Health Department when any water well, boring or monitoring well is sealed. Such wells and borings must be sealed not more than 30 days after they are abandoned and/or are no longer used to provide water, or are in such a state of disrepair that they have the potential for transmitting contaminants into an aquifer or otherwise threaten the public health or safety.

Property Location:

Well # (if applicable) WN-3

Street 180 SEAHORSE DR. City WAUKEGAN
Township _____ County LAKE Owner OMC SUPERFUND SITE
Section 22 Twp. 45 (N) Range 12 (E) NE 1/4 of the NE 1/4 of the _____ 1/4

PERMANENT INDEX NO. (P.I.N.)

Well Information:

Type of Well: Drilled ☒ Driven _____ Dug _____ Other _____
Total Well depth: 32.5 ft. Static level 6.0 ft. Diameter: 3/4 (in.)
Formation clear of obstruction(s)? YES ☒ NO _____ Depth to obstruction: _____ ft.
Original construction permit number (if known): _____ Depth to end of casing: 32.5 ft.

Reason(s) for sealing well: EXCAVATION TO REMEDIATE SOILUpper 2 feet of casing/lining removed? YES ☒ NO _____ If NO, Reason: _____Was the well located in pit? YES _____ NO ☒ Was the pit properly eliminated? YES _____ NO _____

Details of Plugging Starting at Bottom of Hole

Well Disinfected? YES _____ NO _____

From:	To:	Material:
<u>32.5</u> ft.	<u>0</u> ft.	<u>NEAT CEMENT GROUT</u>
_____ ft.	_____ ft.	<u>4.5 gal</u>
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____
_____ ft.	_____ ft.	_____

Contractor Information:

Name: TERRA-TRACE ENV. SVCS

License Number: _____

Address: 28913 173427 Ave #305
LAKE BLUFF IL 60044Signature: [Signature]Date Well Was Sealed: 1/12/05

For Office Use Only

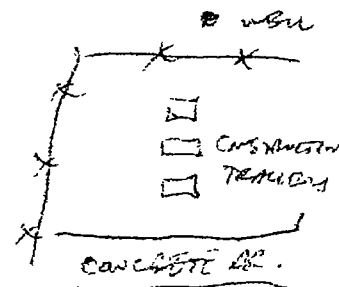
Sealing witnessed by: _____

Date: _____

OR

Sealing verified by: _____

Date: _____

Indicate
North **N**

Indicate location of sealed well relative to two permanent landmarks

TELEFAX TRANSMITTAL SHEET**SEVENSON ENVIRONMENTAL SERVICES, INC.****- MIDWEST DIVISION -**8270 Whitcomb Street
Merrillville, IN 46410
Phone (219) 756-4686
Fax (219) 756-4687

Rec'd CRA

JAN 11 2004

DATE: 11 January 2005

TIME: 8:40 AM

OF PAGES: 13

TO: Tim Leo

COMPANY: CRA

TELECOPIER NUMBER: 847-336-9056

TELEPHONE NUMBER: 847-336-6552

FROM: Steve Sharp

MESSAGE:

Tim -

Monitoring well sealing permit application is attached. I spoke with Arnie Rapa this morning. The permit is being processed, but it will be a few weeks before the actual permit is mailed to us. He doesn't want to hold up the work, so we can go ahead and proceed on his verbal. He will be on-site tomorrow to spot-check the work.

- Steve

SENT BY: SES



**Sevenson
Environmental
Services, Inc.**

Mr. Arnie Rapa
Lake County Health Department
3010 Grand Avenue
Waukegan, IL 60085

January 4, 2005

Monitoring Well Sealing Permit Applications
Waukegan Manufactured Gas and Coke Plant Site
Waukegan, Illinois

Dear Mr. Rapa:

Pursuant to our recent phone conversation, Sevenson Environmental Services, Inc. (Sevenson) submits permit applications for eight (8) monitoring wells to be sealed/abandoned at the above-referenced site. We have also enclosed a check in the amount of \$624.00 to cover the permit fees, well sealing procedures, and a site plan showing the locations of the wells to be sealed.

Sevenson is the general contractor at this Superfund site. We will employ the services of Terra-Trace Environmental Services to perform the well(s) sealing. We have tentatively scheduled the work for the week of January 10th.

Sevenson appreciates your prompt response to our permit application. If you have any questions, please do not hesitate to call me at (219) 756-4686.

Very truly yours,
Sevenson Environmental Services, Inc.

Stephen E. Sharp
Project Manager

Attachments



Lake County
Health Department

WATER WELL APPLICATION/PERMIT
Environmental Health Services

☒ 3010 Grand Ave
Waukegan IL 60085
(847) 360-6740

☐ 121 E. Grand Ave
Lake Villa IL 60046
(847) 356-6222

☐ 118 S Main St
Wauconda IL 60084
(847) 526-1125

For Office Use Only

File #

State ID #

Approved by

Date

PERMIT FEES: REQUIRED PER ARTICLE XIII () CONSTRUCTION (X) SEALING () DEEPENING

Complete this application and return it to this Department with the appropriate fee. The application must be approved prior to any work being conducted on the well. Permit approval is based on all information provided. Any changes in the well location or other information provided without approval by this office may result in permit revocation.

1. Well Owner- Current Mailing Address

PERFORMING SETTLEMENT DEFENDANTS
Name FOR OPERABLE UNIT 2 OF THE
OMC SUPERFUND SITE
Address
WAUKEGAN, IL 60085
City State Zip
Telephone (847) 336-9056

2. Contractor Lic.#

NA
TERRA-TRACE ENVIRONMENTAL SERVICES
Name
28913 HERBY DR. #305
Address
LAKE BLUFF IL 60044
City State Zip
Telephone (847) 549-8002

3. Location - County LAKE City WAUKEGAN
Street 180 SEABRIDGE DR.
Lot # Blk Subdivision Name
Section 22 Township 45 (N) Range 12 (E)
NE 1/4 Quarter of the NE 1/4 Quarter of the Quarter

PERMANENT INDEX NO. (P.I.N.) EPA ID ILD000802827

4. Water Well Information

MW-15

a. Type of Well	
Drilled	X
Driven	
Dug	
Other	

b. The proposed well will supply water for a:	
	1. Private water system (Serves an owner occupied residence)
	2. Semi-private water system (Serves less than 25 persons)
	3. Non-community water supply (Serves 25 or more non-residents)
X	4. Non-potable water well (specify). MANTLING WELL

c. Diameter 2 Ft. Anticipated Depth 15 Ft. Proposed Aquifer UNCONSOLIDATED SAND
d. Is there another well on the property? [] YES [] NO If YES, the well will be [] Used [] Sealed
e. Is the well to be sealed located in a pit? [] YES (X) NO
f. If yes to "e," the pit will be eliminated by: [] Contractor [] Owner [] Retained
g. Reason(s) for request to retain pit
h. Is public water available? [] YES [] NO If yes, distance to the public supply Ft.

5. Complete this section if the well is to serve a semi-private or non-community supply.

# People Served	Pump Cap gpm	Type of Storage Tank
Gallons of Storage	Cut-in/Cut-out	Type of Facility

1/3/05
Date
Owner/Water Well Contractor

Along with this application you must provide a drawing of the property in accordance with Article XV.



Lake County
Health Department

WATER WELL APPLICATION/PERMIT
Environmental Health Services

☒ 3010 Grand Ave
Waukegan IL 60085
(847) 360-6740

☐ 121 E. Grand Ave
Lake Villa IL 60046
(847) 356-6222

☐ 118 S. Main St
Wauconda IL 60084
(847) 526-1125

For Office Use Only

File #

State ID #

Approved by

Date

PERMIT FEES: REQUIRED PER ARTICLE XII. () CONSTRUCTION (X) SEALING () DEEPENING

Complete this application and return it to this Department with the appropriate fee. The application must be approved prior to any work being conducted on the well. Permit approval is based on all information provided. Any changes in the well location or other information provided without approval by this office may result in permit revocation.

1. Well Owner- Current Mailing Address

PERFORMING SETTLEMENT DEFENDANTS
Name FOR OPERABLE UNIT 2 OF THE
OMC SUPERFUND SITE
Address
WAUKEGAN IL 60085
City State Zip
Telephone (847) 336-9056

2. Contractor Lic. #

NA
TERRA-TRACE ENVIRONMENTAL SERVICES
Name
28913 HECKY DR. #305
Address
LAKE BLUFF IL 60044
City State Zip
Telephone (847) 549-8002

3. Location - County

LAKE

City

WAUKEGAN

Street

180 SCARBOROUGH DR.

Township

Lot #

Blk

Subdivision Name

Section

22

Township

45

(N)

Range

12

(E)

NE 1/4

Quarter of the

NE 1/4

Quarter of the

Quarter

PERMANENT INDEX NO. (P.I.N.)

EPA ID ILD 000802827

4. Water Well Information

MW-1D

a. Type of Well	
Drilled	<input checked="" type="checkbox"/>
Driven	<input type="checkbox"/>
Dug	<input type="checkbox"/>
Other	<input type="checkbox"/>

b. The proposed well will supply water for a:

<input type="checkbox"/>	1. Private water system (Serves an owner occupied residence)
<input type="checkbox"/>	2. Semi-private water system (Serves less than 25 persons)
<input type="checkbox"/>	3. Non-community water supply (Serves 25 or more non-residents)
<input checked="" type="checkbox"/>	4. Non-potable water well (specify): <u>MANITOWOC WELL</u>

c. Diameter 2 Ft./in. Anticipated Depth 30 Ft. Proposed Aquifer UNCONSOLIDATED SAND

d. Is there another well on the property? [] YES [] NO If YES, the well will be: [] Used [] Sealed

e. Is the well to be sealed located in a pit? [] YES [X] NO

f. If yes to "e," the pit will be eliminated by: [] Contractor [] Owner [] Retained

g. Reason(s) for request to retain pit:

h. Is public water available? [] YES [] NO If yes, distance to the public supply Ft.

5. Complete this section if the well is to serve a semi-private or non-community supply.

# People Served		Pump Cap gpm		Type of Storage Tank	
Gallons of Storage		Cut-in/Cut-out		Type of Facility	

1/3/05
Date

[Signature]
Owner/Water Well Contractor

Along with this application you must provide a drawing of the property in accordance with Article XV.



Lake County
Health Department

WATER WELL APPLICATION/PERMIT
Environmental Health Services

☒ 3010 Grand Ave Waukegan IL 60085 (847) 360-8740
☐ 121 E. Grand Ave Lake Villa IL 60046 (847) 356-6222
☐ 118 S. Main St Wauconda IL 60084 (847) 526-1125

For Office Use Only

File # _____
 State ID # _____
 Approved by _____
 Date _____

PERMIT FEES: REQUIRED PER ARTICLE XIII. () CONSTRUCTION (X) SEALING () DEEPENING

Complete this application and return it to this Department with the appropriate fee. The application must be approved prior to any work being conducted on the well. Permit approval is based on all information provided. Any changes in the well location or other information provided without approval by this office may result in permit revocation.

1. Well Owner- Current Mailing Address

PERFORMING SETTLING DEFENDANTS
 Name FOR OPERABLE UNIT 2 OF THE
OMC SUPERFUND SITE
 Address
WAUKEGAN IL 60085
 City State Zip
 Telephone (847) 336-9056

2 Contractor Lic.#

NA
TERRA-TRAC ENVIRONMENTAL SERVICES
 Name
28913 HERKY DR. #305
 Address
LAKE BLUFF IL 60044
 City State Zip
 Telephone (847) 549-8002

3 Location - County LAKE **City** WAUKEGAN
Street 180 SEABRIDE DR. **Township** _____
Lot # _____ **Blk** _____ **Subdivision Name** _____
Section 22 **Township** 45 **(N)** **Range** 12 **(E)**
NE 1/4 **Quarter of the** NE 1/4 **Quarter of the** _____ **Quarter** _____

PERMANENT INDEX NO. (P.I.N.) EPA ID ILD000802827

4. Water Well Information

a. Type of Well	
Drilled	<input checked="" type="checkbox"/>
Driven	<input type="checkbox"/>
Dug	<input type="checkbox"/>
Other	<input type="checkbox"/>

MW-95

b. The proposed well will supply water for a:	
<input type="checkbox"/>	1. Private water system (Serves an owner occupied residence)
<input type="checkbox"/>	2. Semi-private water system (Serves less than 25 persons)
<input type="checkbox"/>	3. Non-community water supply (Serves 25 or more non-residents)
<input checked="" type="checkbox"/>	4. Non-potable water well (specify): <u>MONITORING WELL</u>

c. Diameter 2 Ft. (in.) Anticipated Depth 15 Ft. Proposed Aquifer UNCONSOLIDATED SAND
 d. Is there another well on the property? [] YES [] NO If YES, the well will be: [] Used [] Sealed
 e. Is the well to be sealed located in a pit? [] YES [X] NO
 f. If yes to "e," the pit will be eliminated by: [] Contractor [] Owner [] Retained
 g. Reason(s) for request to retain pit. _____
 h. Is public water available? [] YES [] NO If yes, distance to the public supply _____ Ft.

5. Complete this section if the well is to serve a semi-private or non-community supply.

# People Served	Pump Cap gpm	Type of Storage Tank
Gallons of Storage	Cut-in/Cut-out	Type of Facility

1/03/05
 Date _____

 Owner/Water Well Contractor

Along with this application you must provide a drawing of the property in accordance with Article XV.



Lake County
Health Department

WATER WELL APPLICATION/PERMIT
Environmental Health Services

☒ 3010 Grand Ave Waukegan IL 60085 (847) 360-6740
☐ 121 E. Grand Ave Lake Villa IL 60046 (847) 356-6222
☐ 118 S. Main St Wauconda IL 60084 (847) 526-1125

For Office Use Only

File # _____
 State ID # _____
 Approved by _____
 Date _____

PERMIT FEES: REQUIRED PER ARTICLE XII () CONSTRUCTION (X) SEALING () DEEPENING

Complete this application and return it to this Department with the appropriate fee. The application must be approved prior to any work being conducted on the well. Permit approval is based on all information provided. Any changes in the well location or other information provided without approval by this office may result in permit revocation.

1. Well Owner- Current Mailing Address

PERFORMING SETTLING DEFENDANTS
 Name FOR OPENABLE UNIT 2 OF THE
OMC SUPERFUND SITE
 Address WAUKEGAN IL 60085
 City State Zip

Telephone (847) 336 - 9054

2. Contractor Lic #

NA
TERRA-TRAC ENVIRONMENTAL SERVICES
 Name
28913 HERBY DR. #305
 Address
LAKE BLUFF IL 60044
 City State Zip

Telephone (847) 549 - 8002

3. Location - County

County LAKE City WAUKEGAN
 Street 180 SEAHORSE DR. Township _____
 Lot # _____ Blk _____ Subdivision Name _____
 Section 22 Township 45 (N) Range 12 (E)
NE 1/4 Quarter of the NE 1/4 Quarter of the _____ Quarter

PERMANENT INDEX NO. (P.I.N.) EPA ID ILD000802827

4 Water Well Information

a. Type of Well	
Drilled	<input checked="" type="checkbox"/>
Driven	<input type="checkbox"/>
Dug	<input type="checkbox"/>
Other	<input type="checkbox"/>

MW-40

b. The proposed well will supply water for a	
1. Private water system (Serves an owner occupied residence)	<input type="checkbox"/>
2. Semi-private water system (Serves less than 25 persons)	<input type="checkbox"/>
3. Non-community water supply (Serves 25 or more non-residents)	<input type="checkbox"/>
4. Non-potable water well (specify): <u>MONITORING WELL</u>	<input checked="" type="checkbox"/>

- c. Diameter 2 Ft (in.) Anticipated Depth 30 Ft Proposed Aquifer UNCONSOLIDATED SAND
 d. Is there another well on the property? [] YES [] NO If YES, the well will be: [] Used [] Sealed
 e. Is the well to be sealed located in a pit? [] YES [X] NO
 f. If yes to "e," the pit will be eliminated by [] Contractor [] Owner [] Retained
 g. Reason(s) for request to retain pit: _____
 h. Is public water available? [] YES [] NO If yes, distance to the public supply _____ Ft.

5. Complete this section if the well is to serve a semi-private or non-community supply.

# People Served	Pump Cap gpm	Type of Storage Tank
Gallons of Storage	Cut-in/Cut-out	Type of Facility

1/3/05
 Date _____

 Owner/Water Well Contractor

Along with this application you must provide a drawing of the property in accordance with Article XV.



Lake County
Health Department

WATER WELL APPLICATION/PERMIT
Environmental Health Services



3010 Grand Ave
Waukegan IL 60085
(847) 360-6740



121 E. Grand Ave
Lake Villa IL 60046
(847) 356-6222



118 S. Main St
Wauconda IL 60084
(847) 526-1125

For Office Use Only

File #

State ID #

Approved by

Date

PERMIT FEES: REQUIRED PER ARTICLE XII. () CONSTRUCTION (X) SEALING () DEEPENING

Complete this application and return it to this Department with the appropriate fee. The application must be approved prior to any work being conducted on the well. Permit approval is based on all information provided. Any changes in the well location or other information provided without approval by this office may result in permit revocation.

1 Well Owner- Current Mailing Address

PERFORMING SETTLEMENT DEFENDANTS
Name FOR OPERABLE UNIT 2 OF THE
OMC SUPERFUND SITE
Address
WAUKEGAN IL 60085
City State Zip
Telephone (847) 336 - 9056

2 Contractor Lic. #

NA
TERRA-TRAK ENVIRONMENTAL SERVICES
Name
28913 HERKY DR. # 305
Address
LAKE BLUFF IL 60044
City State Zip
Telephone (847) 549 - 8002

3. Location - County LAKE City WAUKEGAN
Street 180 SEABRASE DR.
Lot # Bk Subdivision Name
Section 22 Township 45 (N) Range 12 (E)
NE 1/4 Quarter of the NE 1/4 Quarter of the Quarter

PERMANENT INDEX NO. (P.I.N.) EPA ID ILD000802821

4. Water Well Information

a. Type of Well	
Drilled	X
Driven	
Dug	
Other	

EW-4

b. The proposed well will supply water for a:	
	1. Private water system (Serves an owner occupied residence)
	2. Semi-private water system (Serves less than 25 persons)
	3. Non-community water supply (Serves 25 or more non-residents)
X	4. Non-potable water well (specify): MGMT/INDUS WELL

- c. Diameter 2 FT/IN Anticipated Depth 30 FT Proposed Aquifer UNCONSOLIDATED SAND
d. Is there another well on the property? [] YES [] NO If YES, the well will be [] Used [] Sealed
e. Is the well to be sealed located in a pit? [] YES [X] NO
f. If yes to "e," the pit will be eliminated by: [] Contractor [] Owner [] Retained
g. Reason(s) for request to retain pit:
h. Is public water available? [] YES [] NO If yes, distance to the public supply _____ FT.

5. Complete this section if the well is to serve a semi-private or non-community supply.

# People Served		Pump Cap gpm		Type of Storage Tank	
Gallons of Storage		Cut-in/Cut-out		Type of Facility	

1/3/05
Date
Owner/Water Well Contractor

Along with this application you must provide a drawing of the property in accordance with Article XV.



Lake County
Health Department

WATER WELL APPLICATION/PERMIT
Environmental Health Services

☒ 3010 Grand Ave
Waukegan IL 60085
(847) 360-6740

☐ 121 E. Grand Ave
Lake Villa IL 60046
(847) 356-6222

☐ 118 S. Main St
Wauconda IL 60084
(847) 526-1125

For Office Use Only

File # _____
State ID # _____
Approved by _____
Date _____

PERMIT FEES: REQUIRED PER ARTICLE XII. () CONSTRUCTION (X) SEALING () DEEPENING

Complete this application and return it to this Department with the appropriate fee. The application must be approved prior to any work being conducted on the well. Permit approval is based on all information provided. Any changes in the well location or other information provided without approval by this office may result in permit revocation.

1. Well Owner- Current Mailing Address

PERFORMING SETTLING DEFENDANTS
Name FOR OPERABLE UNIT 2 OF THE
OMC SUPERFUND SITE

Address
WAUKEGAN IL 60085
City State Zip

Telephone (847) 336 - 9056

2. Contractor Lic.#

NA

TERRA-TRAC ENVIRONMENTAL SERVICES

Name
28913 HERBY DR. #305

Address
LAKE BLUFF IL 60044
City State Zip

Telephone (847) 549 - 8002

3. Location - County LAKE City WAUKEGAN
Street 180 SEAROSE DR. Township
Lot # Blk Subdivision Name
Section 22 Township 45 (N) Range 12 (E)
NE 1/4 Quarter of the NE 1/4 Quarter of the Quarter

PERMANENT INDEX NO. (P.I.N.) EPA ID ILD000802827

4. Water Well Information

a. Type of Well
Drilled ☒
Driven
Dug
Other

WN-3

b. The proposed well will supply water for a:
1. Private water system (Serves an owner occupied residence)
2. Semi-private water system (Serves less than 25 persons)
3. Non-community water supply (Serves 25 or more non-residents)
X 4. Non-potable water well (specify): MONITORING WELL

c. Diameter 7.5 FL (in) Anticipated Depth 30 FL Proposed Aquifer UNCONSOLIDATED SAND
d. Is there another well on the property? [] YES [] NO If YES, the well will be: [] Used [] Sealed
e. Is the well to be sealed located in a pit? [] YES [X] NO
f. If yes to "e," the pit will be eliminated by: [] Contractor [] Owner [] Retained
g. Reason(s) for request to retain pit:
h. Is public water available? [] YES [] NO If yes, distance to the public supply _____ Ft

5. Complete this section if the well is to serve a semi-private or non-community supply.

# People Served	Pump Cap gpm	Type of Storage Tank
Gallons of Storage	Cut-in/Cut-out	Type of Facility

1/3/05
Date
Owner/Water Well Contractor

Along with this application you must provide a drawing of the property in accordance with Article XV.



Lake County
Health Department

WATER WELL APPLICATION/PERMIT
Environmental Health Services



3010 Grand Ave
Waukegan IL 60085
(847) 360-6740



121 E. Grand Ave
Lake Villa IL 60048
(847) 356-6222



118 S. Main St
Wauconda IL 60084
(847) 526-1125

For Office Use Only

File #

State ID #

Approved by

Date

PERMIT FEES: REQUIRED PER ARTICLE XIII. () CONSTRUCTION (X) SEALING () DEEPENING

Complete this application and return it to this Department with the appropriate fee. The application must be approved prior to any work being conducted on the well. Permit approval is based on all information provided. Any changes in the well location or other information provided without approval by this office may result in permit revocation.

1 Well Owner- Current Mailing Address

PERFORMING SETTLING DEFENDANTS
Name FOR OPERABLE UNIT 2 OF THE
OMC SUPERFUND SITE
Address
WAUKEGAN IL 60085
City State Zip
Telephone (847) 334 - 9054

2 Contractor Lic.#

NA
TERRA-TRE ENVIRONMENTAL SERVICES
Name
28913170K4 02. #305
Address
LAKEBLUFF IL 60044
City State Zip
Telephone (847) 549 - 8002

3 Location - County

LAKE

City

WAUKEGAN

Street 180 SEAHORSE DR.

Township

Lot #

Blk

Subdivision Name

Section

22

Township

45

(N)

Range

12

(E)

NE 1/4

Quarter of the

NE 1/4

Quarter of the

Quarter

PERMANENT INDEX NO. (P.I.N.)

EPA ID ILD00802827

4. Water Well Information

a. Type of Well

Drilled	X
Driven	
Dug	
Other	

OMC-MW-1

b. The proposed well will supply water for a

	1. Private water system (Serves an owner occupied residence)
	2. Semi-private water system (Serves less than 25 persons)
	3. Non-community water supply (Serves 25 or more non-residents)
X	4. Non-potable water well (specify): MULTI-PURPOSE WELL

c. Diameter 2 Ft. Anticipated Depth 15 Ft. Proposed Aquifer UNCONSOLIDATED SAND

d. Is there another well on the property? [] YES [] NO If YES, the well will be: [] Used [] Sealed

e. Is the well to be sealed located in a pit? [] YES [X] NO

f. If yes to "e," the pit will be eliminated by: [] Contractor [] Owner [] Retained

g. Reason(s) for request to retain pit.

h. Is public water available? [] YES [] NO If yes, distance to the public supply _____ Ft.

5. Complete this section if the well is to serve a semi-private or non-community supply.

# People Served		Pump Cap gpm		Type of Storage Tank	
Gallons of Storage		Cut-in/Cut-out		Type of Facility	

1/3/05
Date

Owner/Water Well Contractor

Along with this application you must provide a drawing of the property in accordance with Article XV



Lake County
Health Department

WATER WELL APPLICATION/PERMIT
Environmental Health Services



3010 Grand Ave
Waukegan IL 60085
(847) 360-6740



121 E. Grand Ave
Lake Villa IL 60046
(847) 356-6222



118 S. Main St
Wauconda IL 60084
(847) 526-1125

For Office Use Only

File #

State ID #

Approved by

Date

PERMIT FEES: REQUIRED PER ARTICLE XIII. () CONSTRUCTION (X) SEALING () DEEPENING

Complete this application and return it to this Department with the appropriate fee. The application must be approved prior to any work being conducted on the well. Permit approval is based on all information provided. Any changes in the well location or other information provided without approval by this office may result in permit revocation.

1. Well Owner- Current Mailing Address

PERFORMING SETTLING DEFENDANTS
Name FOR OPERABLE UNIT 2 OF THE
OMC SUPERFUND SITE

Address
WAUKEGAN IL 60085
City State Zip

Telephone (847) 336 - 9056

2. Contractor Lic.#

NA

TERRA-TRAK ENVIRONMENTAL SERVICES

Name
28913 HERKY DR. #305

Address
LAKE BLUFF IL 60044
City State Zip

Telephone (847) 549 - 8002

3. Location - County LAKE

City WAUKEGAN

Street 180 SEABREE DR.

Township

Lot # Blk

Subdivision Name

Section 22

Township 45

(N)

Range

12

(E)

NE 1/4

Quarter of the

NE 1/4

Quarter of the

Quarter

PERMANENT INDEX NO. (P.I.N.)

EPA ID ILD000802827

4. Water Well Information

OMC-MW-2

a. Type of Well

Drilled	X
Driven	
Dug	
Other	

b. The proposed well will supply water for a:

	1. Private water system (Serves an owner occupied residence)
	2. Semi-private water system (Serves less than 25 persons)
	3. Non-community water supply (Serves 25 or more non-residents)
X	4. Non-potable water well (specify): MARIAGE WELL

c. Diameter 2 FT (in) Anticipated Depth 30 Ft. Proposed Aquifer UNCONSOLIDATED SAND

d. Is there another well on the property? () YES () NO If YES, the well will be: () Used () Sealed

e. Is the well to be sealed located in a pit? () YES (X) NO

f. If yes to "e," the pit will be eliminated by: () Contractor () Owner () Retained

g. Reason(s) for request to retain pit.

h. Is public water available? () YES () NO If yes, distance to the public supply _____ Ft

5. Complete this section if the well is to serve a semi-private or non-community supply.

# People Served		Pump Cap gpm		Type of Storage Tank	
Gallons of Storage		Cut-in/Cut-out		Type of Facility	

1/3/05
Date

[Signature]
Owner/Water Well Contractor

Along with this application you must provide a drawing of the property in accordance with Article XV.

Monitoring Well Sealing/Abandonment Procedures
Waukegan Manufactured Gas and Coke Plant Site

1. Fill the riser and screen with neat cement grout starting from the base of the screen. Grout shall be placed by pumping under pressure through a tremie pipe. After 6 inches of grout has been placed in the bottom of the well, the discharge point of the tremie pipe shall be maintained at least 3 inches below the grout surface as the tremie pipe is gradually raised to the top of the well while injecting grout.
2. After the grout has been placed, remove the protective casing and posts. Remove all riser and piping above 3 feet below ground surface and backfill area to existing grade.



- MONITORING WELL
 (S) - SHALLOW (D) - DEEP
 ---●--- GEOTHERMETER
 ---●--- PUMPING WELL
 ● LIGHT POLE
 --- POWER POLE
 ---●---●--- WCD SITE BOUNDARY
 (Based on 3/2/98 CMC Plot File)
 ---●--- LEGAL PROPERTY LINE
 (Based on 11/6/71 Plat of Survey
 Thacher Engineering Office)
 ---■--- FENCE LINE
 ---●--- EDGE OF WATER
 ---●--- UNDERGROUND WATER LINE UTILITY
 ---●--- UNDERGROUND GAS LINE UTILITY
 ---●--- UNDERGROUND TELEPHONE UTILITY
 ---●--- UNDERGROUND SANITARY SEWER
 ---●--- UNDERGROUND STORM SEWER
 ---●--- UNDERGROUND ELECTRICAL UTILITY

NOTES

1. ALL UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ACTUAL LOCATIONS IN ANY AREA SUBSURFACE WORK IS TO BE PERFORMED.
2. UTILITY INFORMATION SHOWN ON THIS SHEET IS AVAILABLE FROM ENGINEER UPON REQUEST.

				SOIL REMEDIAL ACTION		HARR PROJECT NO 13/49-015JSL075	
						CLIENT PROJECT NO	
				EXISTING SITE CONDITIONS		JSL NO C-02	
						REV NO 0	
NO	BY	CHK	APP	DATE	REVISION	DESCRIPTION	

APPENDIX I

CERTIFICATES OF DISPOSAL OR RECYCLING



WSR #	100871
24 Hour Response Telephone Number	

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # <u>52L003022</u>			(D) <u>847-731-5110</u>		
	1. Work Site Name and Mailing Address <u>Waukegan MGP Coke Site</u> <u>180 Sea Horse Dr.</u> <u>Waukegan, IL 60085</u>			Owner's Name		Owner's Phone No
	2. Operator's Name and Address <u>Waukegan MGP Coke Site</u> <u>C/O CRA</u> <u>8615 West Bryn Mawr Ave</u> <u>Chicago, IL 60631-3501</u>					Operator's Phone No. <u>773-380-9933</u>
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site <u>Onyx Zion Landfill</u> <u>701 Green Bay Rd Zion, IL 60099</u>					WDS Phone No <u>847-731-5110</u>
	4. Name and Address of Responsible Agency <u>EPA</u> <u>2200 Church Hill rd</u> <u>Springfield IL</u>					<u>217-782-3300</u>
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N O S (ASBESTOS) RQ ORM-E NA 9188		6 Containers No Type	7 Total Quantity m ³ (yd ³)		
	<u>roofing materials contaminated</u> <u>with Asbestos</u>		<u>1</u> <u>roll, ff</u>	<u>20 yds</u>		
	8. Special Handling Instructions and Additional Information					
9. GENERATOR CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261						
Printed/Typed Name & Title <u>Timothy A. Schmitt, Sr. Defendants - Tulsa</u>			Signature <u>[Signature]</u>		Month Day Year <u>3 3 05</u>	
Transporter	10. Transporter 1 (Acknowledgement of Receipt of Materials)					
	Printed/Typed Name & Title <u>(847) 623-3870</u> <u>1127 4th St</u> Address and Telephone No <u>2230 Ernie Kruger Cr</u> <u>Waukegan IL</u>		Signature <u>[Signature]</u>		Month Day Year <u>3 3 05</u> <u>Trk # T202003</u>	
	11. Transporter 2 (Acknowledgement of Receipt of Materials)					
Disposal Site	Printed/Typed Name & Title		Signature		Month Day Year	
	Address and Telephone No					
	12. Discrepancy Indication Space					
	13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12					
	Printed/Typed Name & Title		Signature		Month Day Year	
	North East		Elevation			

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator



WSR #	100873
24 Hour Response Telephone Number	

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Special Waste Profile # 52L003022		#3 847-731-5110	
1 Work Site Name and Mailing Address Waukegan MGP Coke Site 180 Seahorse Dr. Waukegan, IL 60085		Owner's Name Owner's Phone No.	
2 Operator's Name and Address Waukegan MGP Coke Site c/o CRA 8615 West Bryn Mawr Ave. Chicago, IL 60631-3501		Operator's Phone No. 773-380-9933	
3 Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099		WDS Phone No. 847-731-5110	
4 Name and Address of Responsible Agency EPA 2200 Church Hill Rd. Springfield, IL		217-782-3300	
5 Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S (ASBESTOS) RQ ORM-E NA 9188		6 Containers No. Type	7 Total Quantity m ³ (yd ³)
roofing materials contaminated with Asbestos		1 roll off	20 yds
8 Special Handling Instructions and Additional Information			
9. GENERATOR CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261			
Printed/Typed Name & Title Tim Leo/CRA on behalf of Pending Settling Defendants - Tim Leo		Signature	Month Day Year 3 3 05
10. Transporter 1 (Acknowledgement of Receipt of Materials)			
Printed/Typed Name & Title ALVIN 847-623-3870		Signature	Month Day Year 3 3 05
Address and Telephone No 2230 Ernie Kruper Circle Waukegan, IL 60087		Trk # T202003	
11. Transporter 2 (Acknowledgement of Receipt of Materials)			
Printed/Typed Name & Title		Signature	Month Day Year
Address and Telephone No			
12. Discrepancy Indication Space			
13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12			
Printed/Typed Name & Title		Signature	Month Day Year
North	East	Elevation	

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator



WSR #

100875

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

24 Hour Response Telephone Number

Generator	Special Waste Profile # <u>52L003022</u> (#5)		847-731-5110		
	1. Work Site Name and Mailing Address <u>Waukegan MGP Coke Site</u> <u>180 Seahorse Dr</u> <u>Waukegan, IL 60085</u>		Owner's Name		Owner's Phone No.
	2. Operator's Name and Address <u>Waukegan MGP Coke Site</u> <u>c/o CRA</u> <u>8615 West Bryn Mawr Ave</u> <u>Chicago, IL 60631-3501</u>		Operator's Phone No.		<u>773-380-9933</u>
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site <u>Onyx Zion Landfill</u> <u>701 Green Bay Rd. Zion, IL 60099</u>		WDS Phone No.		<u>847-731-5110</u>
	4. Name and Address of Responsible Agency <u>EPA</u> <u>2200 Church Hill Rd</u> <u>Springfield, IL</u>		217-782-3300		
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N O S (ASBESTOS) RQ ORM-E NA 9188	6. Containers No. Type	7. Total Quantity m ³ (yd ³)		
	<u>Roofing materials contaminated</u> <u>with Asbestos</u>		<u>1</u> <u>roll off</u>	<u>20 yds</u>	
	8. Special Handling Instructions and Additional Information				
9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261					
Transporter	Printed/Typed Name & Title <u>Tim Liao on behalf of Performing Consulting Defendants</u>		Signature <u>Tim Liao</u>		Month Day Year <u>3 3 05</u>
	10. Transporter 1 (Acknowledgement of Receipt of Materials)		Signature <u>[Signature]</u>		Month Day Year <u>3 3 05</u>
	Printed/Typed Name & Title <u>Mike Kruger</u>		Address and Telephone No <u>2230 Ernie Kruger Circle</u> <u>Waukegan, IL 60087</u>		Month Day Year <u>3 3 05</u>
	11. Transporter 2 (Acknowledgement of Receipt of Materials)		Signature		Month Day Year
Disposal Site	Printed/Typed Name & Title		Signature		Month Day Year
	Address and Telephone No				
	12. Discrepancy Indication Space				
	13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12				
	Printed/Typed Name & Title		Signature		Month Day Year
	North East		Elevation		

WHITE - Waste-Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

ON YX NORTH AMERICA CORP.

ON YX

WSR #

100877

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

24 Hour Response Telephone Number

Generator	Special Waste Profile # 52L003022 #7		847-731-5110	
	1 Work Site Name and Mailing Address Waukegan MGP Coke site 180 Seahorse Dr Waukegan, IL 60085		Owner's Name	
	2. Operator's Name and Address Waukegan MGP Coke site C/O CRA 8615 West Bryn Mawr Ave Chicago, IL 60631-3501		Operator's Phone No 713-380-9933	
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099		WDS Phone No. 847-731-5110	
	4 Name and Address of Responsible Agency IEPA 2200 Church Hill Rd. Springfield, IL		217-782-3300	
	5 Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RQ ORM-E NA 9188	6 Containers No Type	7 Total Quantity m³ (yd³)	
	Roofing materials contaminated with Asbestos		1 roll off 20 yds	
	8 Special Handling Instructions and Additional Information			
9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261				
Transporter	Printed/Typed Name & Title Timothy J. DeBartolo, Director of Permits & Compliance		Signature [Signature]	
	Month Day Year 3 3 05			
	10. Transporter 1 (Acknowledgement of Receipt of Materials)			
	Printed/Typed Name & Title NMAAD's 847-623-3870 Address and Telephone No 2230 Ernie Kruger Circle Waukegan IL 60087		Signature [Signature]	
Disposal Site	Month Day Year 3 3 05			
	11. Transporter 2 (Acknowledgement of Receipt of Materials)			
	Printed/Typed Name & Title Address and Telephone No		Signature Month Day Year	
12 Discrepancy Indication Space				
13: Waste Disposal Site Owner or Operator. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12				
Printed/Typed Name & Title		Signature		Month Day Year
North	East	Elevation		

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

ON YX NORTH AMERICA CORP.

ON YX

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

WSR #	100879
24 Hour Response Telephone Number	847-731-5110

Generator	Special Waste Profile # 52L003022 (#9)		
	1. Work Site Name and Mailing Address Waukegan MRP Lake Site 180 Seahorse Dr. Waukegan IL 60085		Owner's Name
	2. Operator's Name and Address Waukegan MRP Lake Site C/O CRA 8015 West Bryn Mawr Ave. Chicago, IL 60631-3501		Owner's Phone No.
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099		Operator's Phone No. 773-380-9933
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill Rd. Springfield, IL		WDS Phone No. 847-731-5110
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N O S (ASBESTOS) RQ ORM-E NA 9188	6. Containers No Type	7. Total Quantity m ³ (yd ³)
	Roofing materials contaminated with asbestos 1 roll off 20 yds		
	8. Special Handling Instructions and Additional Information		
9. GENERATOR CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261			
Printed/Typed Name & Title Timothy C. O'Connell on behalf of Performing Settlements - Tinsley			
Signature [Signature]			
Month Day Year 03 - 03 - 05			
Transporter	10. Transporter 1 (Acknowledgement of Receipt of Materials)		
	Printed/Typed Name & Title [Signature] 847-623-3870		Signature
	Address and Telephone No. 2230 Ernie Kruger Circle Waukegan, IL 60087		Month Day Year 03 - 03 - 05
	11. Transporter 2 (Acknowledgement of Receipt of Materials)		TRK# T202003
Disposal Site	Printed/Typed Name & Title		
	Signature		
	Month Day Year		
	Address and Telephone No		
12. Discrepancy Indication Space			
13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12			
Printed/Typed Name & Title			
Signature			
Month Day Year 03 03 05			
North East Elevation			

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

W.D. 141683

ONYX NORTH AMERICA CORP.



WSR # 100881

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

24 Hour Response Telephone Number

847-731-5110

Generator	Special Waste Profile # 5ZL003022		#11		847-731-5110	
	1. Work Site Name and Mailing Address Waukegan MRP Coke site 180 Seahorse dr. Waukegan, IL 60085			Owner's Name		Owner's Phone No
	2. Operator's Name and Address Waukegan MRP Coke Site C/O CRA 8615 West Bryn Mawr Ave Chicago, IL 60631-3501			Operator's Phone No		773-380-9933
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd. Zion, IL 60099			WDS Phone No.		847-731-5110
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill rd Springfield, IL			Operator's Phone No		217-782-3300
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RQ ORM-E NA 9188		6. Containers No Type		7. Total Quantity m ³ (yd ³)	
	Roofing materials contaminated with Asbestos		1 roll off		20 yds	
	8. Special Handling Instructions and Additional Information					
9. GENERATOR CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261						
Transporter	Printed/Typed Name & Title Tim G. CPA on behalf of Performing Safety Defendants - Tim G.		Signature		Month Day Year 03-03-05	
	10. Transporter 1 (Acknowledgement of Receipt of Materials)		Signature		Month Day Year 03-03-05	
	Printed/Typed Name & Title ARMANOS C. 847-623-3870 Address and Telephone No 2230 Ernie Kruger Circle Waukegan, IL		Signature		Month Day Year 03-03-05	
Disposal Site	11. Transporter 2 (Acknowledgement of Receipt of Materials)		Signature		Month Day Year	
	Printed/Typed Name & Title		Signature		Month Day Year	
	Address and Telephone No		Signature		Month Day Year	
	12. Discrepancy Indication Space		Signature		Month Day Year	
13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12						
Printed/Typed Name & Title		Signature		Month Day Year		
North		East		Elevation		

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator



WSR #	100872
24 Hour Response Telephone Number	

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # 52L003022 (2)		847-731-5110			
	1. Work Site Name and Mailing Address WAUKEGAN MGP COKE SITE 180 S. horse dr. WAUKEGAN, IL 60085		Owner's Name			
	2. Operator's Name and Address WAUKEGAN MGP COKE SITE c/o CMA 8615 WEST Bryn MAWR Ave CHICAGO, IL 60631-3501		Operator's Phone No 773-380-9933			
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099		WDS Phone No. 847-731-5110			
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill Rd. Springfield, IL		217-782-3300			
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N O S (ASBESTOS) RQ ORM-E NA 9188	6. Containers No Type	7. Total Quantity m ³ (yd ³)			
	Roofing materials contaminated with asbestos		1 roll off 20 yds			
	8. Special Handling Instructions and Additional Information					
9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261						
Printed/Typed Name & Title Tim L. C2A on behalf of Perberg, Settling Defendants - Truckers		Signature	Month	Day	Year	
10. Transporter 1 (Acknowledgement of Receipt of Materials)						
Transporter	Printed/Typed Name & Title 847-623-3870 Address and Telephone No 2230 Ernie Kruger Circle WAUKEGAN, IL 60087		Signature	Month	Day	Year
				3	3	05
			TRK# T206018			
11. Transporter 2 (Acknowledgement of Receipt of Materials)						
Disposal Site	Printed/Typed Name & Title		Signature	Month	Day	Year
	Address and Telephone No					
12. Discrepancy Indication Space						
13. Waste Disposal Site Owner or Operator. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12						
Printed/Typed Name & Title		Signature	Month	Day	Year	
North East		Elevation				

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

5/16



WSR #	100074
24 Hour Response Telephone Number	847-731-5110

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # 52L003022 (#4)		
	1 Work Site Name and Mailing Address WAUKEGAN MRP Lake Site 180 Seahorse Dr. WAUKEGAN, IL 60085		Owner's Name
	2 Operator's Name and Address WAUKEGAN MRP Lake Site c/o CRA 8615 WEST BRYN MAWR AVE. CHICAGO, IL 60631-3501		Operator's Phone No. 773-380-9933
	3 Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099		WDS Phone No 847-731-5110
	4. Name and Address of Responsible Agency EPA 2200 Church Hill Rd Springfield IL		217-782-3300
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RQ ORM-E NA 9188	6 Containers No. Type	7 Total Quantity m ³ (yd ³)
	Roofing materials contaminated w. th. Asbestos		
	8 Special Handling Instructions and Additional Information		
9 GENERATOR CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261			
Printed/Typed Name & Title Timothy/CRA on behalf of Performing Siting Defendants - T...			
Transporter	10. Transporter 1 (Acknowledgement of Receipt of Materials)		
	Printed/Typed Name & Title 847-623-3870 Address and Telephone No 2230 Ernie Kruger Circle WAUKEGAN, IL 60087		Signature Month Day Year 3 3 05 TRK # T206018
	11. Transporter 2 (Acknowledgement of Receipt of Materials)		
	Printed/Typed Name & Title Address and Telephone No.		Signature Month Day Year
Disposal Site	12 Discrepancy Indication Space		
	13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12		
	Printed/Typed Name & Title North East Signature Month Day Year Elevation		

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

4/15/05



WSR #	100876
24 Hour Response Telephone Number	

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # 52L003022 (#6)		847-731-5110	
	1 Work Site Name and Mailing Address Waukegan MGP Coke site 180 sea horse dr. Waukegan, IL 60085		Owner's Name	
	2 Operator's Name and Address Waukegan MGP Coke site c/o CRA 8615 West Brynmawr Ave Chicago, IL 60631-3501		Operator's Phone No. 773-380-9933	
	3 Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099		WDS Phone No. 847-731-5110	
	4 Name and Address of Responsible Agency IEPA 2200 Churchhill rd Springfield IL		217-782-3300	
	5 Description of Materials HAZARDOUS SUBSTANCE, SOLID N O S (ASBESTOS) RQ ORM-E NA 9188	6 Containers No. Type	7. Total Quantity m³ (yd³)	
	Roofing materials contaminated with Asbestos		1 roll off 20 yds	
	8. Special Handling Instructions and Additional Information			
9 GENERATOR CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.				
Transporter	Printed/Typed Name & Title Tulco/CRA on behalf of D. Grunig & H. Defendants - Tim Lee		Signature	
	Month Day Year 3 3 05			
	10. Transporter 1 (Acknowledgement of Receipt of Materials)			
	Printed/Typed Name & Title 847-623-3870 Address and Telephone No 2230 Emie Kuyper Circle Waukegan, IL 60087		Signature Month Day Year 3 3 05 TRK # T206018	
Disposal Site	11 Transporter 2 (Acknowledgement of Receipt of Materials)			
	Printed/Typed Name & Title		Signature	
	Address and Telephone No		Month Day Year	
	12 Discrepancy Indication Space			
13. Waste/Disposal Site Owner or Operator. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12				
Printed/Typed Name & Title		Signature		Month Day Year
North East Elevation				

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

141514



WSR #	100078
24 Hour Response Telephone Number	847-731-5110

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # 52 L003022		#8		847-731-5110										
	1. Work Site Name and Mailing Address Waukegan MGP Coke Site 180 Sea Horse Dr Waukegan, IL 60085			Owner's Name		Owner's Phone No.									
	2. Operator's Name and Address Waukegan MGP Coke Site C/O CRA 8015 West Bryn Mawr Ave Chicago, IL 60631-3501			Operator's Phone No.		773-381-9933									
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099			WDS Phone No.		847-731-5110									
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill Rd. Springfield, IL			Operator's Phone No.		217-782-3300									
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N O S (ASBESTOS) RQ ORM-E NA 9188		6. Containers No. Type	7. Total Quantity m ³ (yd ³)											
	Roofing materials contaminated with Asbestos		1 rolloff	20 yds											
	8. Special Handling Instructions and Additional Information														
9. GENERATOR CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261															
<table border="1"> <tr> <td>Printed/Typed Name & Title Tim Leno/CRA on behalf of Performing Settlement Defendants - Tim Leno</td> <td>Signature</td> <td>Month</td> <td>Day</td> <td>Year</td> </tr> <tr> <td></td> <td></td> <td>3</td> <td>3</td> <td>05</td> </tr> </table>						Printed/Typed Name & Title Tim Leno/CRA on behalf of Performing Settlement Defendants - Tim Leno	Signature	Month	Day	Year			3	3	05
Printed/Typed Name & Title Tim Leno/CRA on behalf of Performing Settlement Defendants - Tim Leno	Signature	Month	Day	Year											
		3	3	05											
Transporter	10. Transporter 1 (Acknowledgement of Receipt of Materials)														
	Printed/Typed Name & Title 847-623-3870		Signature		Month Day Year										
	Address and Telephone No 2230 Ernie Kruger Circle Waukegan, IL 60087				3 3 05										
					TRK# T206018										
Disposal Site	11. Transporter 2 (Acknowledgement of Receipt of Materials)														
	Printed/Typed Name & Title		Signature		Month Day Year										
	Address and Telephone No														
12. Discrepancy Indication Space															
13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12															
Printed/Typed Name & Title		Signature		Month Day Year											
North East		Elevation													

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

ONYX NORTH AMERICA CORP.



WSR #	100860
24 Hour Response Telephone Number	847-731-5110

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # 52L003022 (#10)		
	1 Work Site Name and Mailing Address Waukegan MGP Coke Site 180 Seahorse Dr. Waukegan, IL 60085		Owner's Name Owner's Phone No.
	2 Operator's Name and Address Waukegan MGP Coke Site c/o CRA 8615 West Bryn Mawr Ave Chicago, IL 60631-3501		Operator's Phone No. 773-380-9933
	3 Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099		WDS Phone No. 847-731-5110
	4. Name and Address of Responsible Agency EPA 2200 Churchill Rd Springfield, IL		217-782-3300
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RQ ORM-E NA 9188	6 Containers No. Type	7. Total Quantity m ³ (yd ³)
	Roofing materials contaminated with Asbestos 1 rolloff 20 yds		
	8 Special Handling Instructions and Additional Information		
9. GENERATOR CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261			
Transporter	Printed/Typed Name & Title Tim Leo/CRA on behalf of Perbing Selling Defaults - Tim Leo		Signature Month Day Year 03 - 03 - 05
	10 Transporter 1 (Acknowledgement of Receipt of Materials)		
	Printed/Typed Name & Title 847-623-3870 Address and Telephone No 2230 Ernie Kruger Circle Waukegan IL 60087		Signature Month Day Year 03 - 03 - 05 T# 206018
	11. Transporter 2 (Acknowledgement of Receipt of Materials)		
Disposal Site	Printed/Typed Name & Title Address and Telephone No		Signature Month Day Year
	12 Discrepancy Indication Space		
	13 Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12. Printed/Typed Name & Title Signature Month Day Year 03 03 05		
North East Elevation			

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

141681

100-1411695

ONYX NORTH AMERICA CORP.

ONYX

WSR #	100982
24 Hour Response Telephone Number	

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # 52L003022			#12 847-731-5110				
	1. Work Site Name and Mailing Address Waukegan MGP Coke Site 180 Seahorse Dr. Waukegan IL 60085			Owner's Name				
	2. Operator's Name and Address Waukegan MGP Coke Site c/o CRA 8615 West Bryn Mawr Ave. Chicago IL 60631-3051			Operator's Phone No. 773-380-7933				
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd. Zion, IL 60099			WDS Phone No. 847-731-5110				
	4. Name and Address of Responsible Agency IEPA 2200 Churchhill rd. Springfield IL			217-782-3300				
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S (ASBESTOS) RQ ORM-E NA 9188		6. Containers No Type	7. Total Quantity m ³ (yd ³)				
	Roofing materials contaminated w. th Asbestos		1 roll off	20 yds				
	8. Special Handling Instructions and Additional Information							
9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261								
Printed/Typed Name & Title Timothy CPA on behalf of Portman & Hing Defendants - Trilep					Signature [Signature]	Month 3	Day 4	Year 05
Transporter	10. Transporter 1 (Acknowledgement of Receipt of Materials)							
	Printed/Typed Name & Title ARMAN S. H. 847-623-3870 Address and Telephone No 2230 Ernie Kruger Circle Waukegan, IL 60087		Signature [Signature]		Month 3	Day 4	Year 05	
	11. Transporter 2 (Acknowledgement of Receipt of Materials)							
Disposal Site	Printed/Typed Name & Title		Signature		Month	Day	Year	
	Address and Telephone No							
	12. Discrepancy Indication Space							
13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12								
Printed/Typed Name & Title		Signature		Month	Day	Year		
North		East		Elevation				

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

ONYX NORTH AMERICA CORP.

ONYX

W6-141696

WSR #	100983
24 Hour Response Telephone Number	

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # 52L003022 (#13)		847-731-5110	
	1. Work Site Name and Mailing Address Waukegan MGP Lake Site 180 Sea Horse Dr Waukegan, IL 60085		Owner's Name Owner's Phone No.	
	2. Operator's Name and Address Waukegan MGP Lake Site c/o CRA 8615 West Bryn Mawr Ave. Chicago, IL 60631-3051		Operator's Phone No. 773-380-9933	
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099		WDS Phone No. 847-731-5110	
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill Rd. Springfield, IL		217-782-3300	
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RQ ORM-E NA 9188 Roofing materials contaminated with Asbestos	6. Containers No Type 1 roll off	7. Total Quantity m ³ (yd ³) 20 yds	
	8. Special Handling Instructions and Additional Information			
	9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations. AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261			
Transporter	Printed/Typed Name & Title Timothy C. Allen, Director of Permitting & Compliance		Signature [Signature]	
	Month Day Year 3 4 05			
	10. Transporter 1 (Acknowledgement of Receipt of Materials)			
Transporter	Printed/Typed Name & Title ARMAND S. HUN 847-623-3870 Address and Telephone No. 2230 Ernie Kruger Circle Waukegan, IL 60087		Signature [Signature]	
	Month Day Year 3 4 05		TK# T202003	
	11. Transporter 2 (Acknowledgement of Receipt of Materials)			
Disposal Site	Printed/Typed Name & Title		Signature	
	Address and Telephone No.		Month Day Year	
	12. Discrepancy Indication Space			
Disposal Site	13. Waste Disposal Site Owner or Operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.			
	Printed/Typed Name & Title		Signature	
	Month Day Year			
North East		Elevation		

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator



W 141697

WSR #	101161
24 Hour Response Telephone Number	

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # 92L003022		#15 847-731-5110	
	1. Work Site Name and Mailing Address Waukegan MGP Coke Site 180 Seahorse Dr. Waukegan IL 60085		Owner's Name	
	2. Operator's Name and Address Waukegan MGP Coke Site c/o CRA 8015 West Bryn Mawr Ave Chicago, IL 60631-3501		Operator's Phone No 773-380-9933	
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099		WDS Phone No 847-731-5110	
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill Rd Springfield, IL		217-782-3300	
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N O S (ASBESTOS) RQ ORM-E NA 9188	6. Containers No. Type	7. Total Quantity m ³ (yd ³)	
	Roofing materials contaminated with Asbestos	1 rolloff	20 yds	
	8. Special Handling Instructions and Additional Information			
	9. GENERATOR CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.			
Transporter	Printed/Typed Name & Title The Geo/Environmental of Performing Settling Schedule - Tulsa		Signature	Month Day Year 3 4 05
	10. Transporter 1 (Acknowledgement of Receipt of Materials)			
	Printed/Typed Name & Title ARMANDO S. ALVAREZ 847-623-3870 Address and Telephone No. 2230 Ernie Kruger Circle Waukegan IL 60087		Signature	Month Day Year 3 4 05
	11. Transporter 2 (Acknowledgement of Receipt of Materials)			
Disposal Site	Printed/Typed Name & Title		Signature	Month Day Year
	Address and Telephone No.			
	12. Discrepancy Indication Space			
	13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.			
	Printed/Typed Name & Title		Signature	Month Day Year
	North East		Elevation	

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

ON YX NORTH AMERICA CORP.

ON YX

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

WSR #	101163
24 Hour Response Telephone Number	847-731-5110

Generator	Special Waste Profile # 52L003022		#17	
	1. Work Site Name and Mailing Address Waukegan MGP Coke Site 180 Sea Horse Dr Waukegan, IL 60085		Owner's Name	
	2. Operator's Name and Address Waukegan MGP Coke Site c/o CRA 8615 West Bryn Mawr Ave Chicago, IL 60631-7501		Operator's Phone No 773-380-9933	
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099		WDS Phone No 847-731-5110	
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill Rd Springfield, IL		217-782-3300	
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RQ ORM-E NA 9188	6. Containers No. Type	7. Total Quantity m ³ (yd ³)	
	Roofing materials contaminated with Asbestos		1 roll off 20 yds	
	8. Special Handling Instructions and Additional Information			
	9. GENERATOR CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261			
Transporter	Printed/Typed Name & Title Tina L. Kraus on behalf of Performance Settlement Agency		Signature Tina L. Kraus	
	Month Day Year 3 4 05			
	10. Transporter 1 (Acknowledgement of Receipt of Materials)			
	Printed/Typed Name & Title M. J. S. 847-623-3870 Address and Telephone No 2230 Ernie Kruger Circle Waukegan, IL 60087		Signature M. J. S.	
Disposal Site	Month Day Year 3 4 05		T.R.K. # T202003	
	11. Transporter 2 (Acknowledgement of Receipt of Materials)			
	Printed/Typed Name & Title		Signature	
	Address and Telephone No.		Month Day Year	
	12. Discrepancy Indication Space			
13. Waste Disposal Site Owner or Operator. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.				
Printed/Typed Name & Title		Signature		Month Day Year
North	East	Elevation		

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

W0-141754

ONYX NORTH AMERICA CORP.



WSR #	101165
24 Hour Response Telephone Number	847-731-5110

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # 52L003022					
	1. Work Site Name and Mailing Address WAUKEGAN MTA Site 180 Seahorse Dr. WAUKEGAN, IL 60085		Owner's Name			
	2. Operator's Name and Address WAUKEGAN MTA Site c/o CRA 8615 West Bryn Mawr Ave CHICAGO, IL 60631-3501		Operator's Phone No 773-380-9933			
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099		WDS Phone No 847-731-5110			
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill Rd. Springfield, IL		217-782-3320			
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S (ASBESTOS) RQ ORM-E NA 9188	6. Containers No Type	7. Total Quantity m ³ (yd ³)			
	Roofing materials contaminated with Asbestos 1 roll off 20 yds					
	8. Special Handling Instructions and Additional Information					
9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261						
Transporter	Printed/Typed Name & Title Tim Leo / CRA on behalf of performing Jeffery Defendants - Tim Leo		Signature [Signature]	Month 3	Day 4	Year 05
	10. Transporter 1 (Acknowledgement of Receipt of Materials)					
	Printed/Typed Name & Title ARNOLD S. ITR 847-623-3870 Address and Telephone No. 2230 Ernie Kruger Circle WAUKEGAN, IL 60087		Signature [Signature]	Month 3	Day 4	Year 05
Disposal Site	11. Transporter 2 (Acknowledgement of Receipt of Materials)					
	Printed/Typed Name & Title		Signature	Month	Day	Year
	Address and Telephone No					
	12. Discrepancy Indication Space					
13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.						
Printed/Typed Name & Title [Signature]		Signature	Month 03	Day 04	Year 05	
North		East	Elevation			

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

141809

ONYX NORTH AMERICA CORP.

ONYX

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

WSR #	101167
24 Hour Response Telephone Number	

Generator	Special Waste Profile # 5ZL003022 (#21) 847-731-5110		
	1 Work Site Name and Mailing Address Waukegan MGP Coke Site 180 Seahorse Dr Waukegan, IL 60085		Owner's Name Owner's Phone No.
	2 Operator's Name and Address Waukegan MGP Coke Site c/o CRA 8615 West Bryn Mawr Ave Chicago, IL 60631-3501		Operator's Phone No. 773-380-9933
	3 Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd. Zion, IL 60099		WDS Phone No. 847-731-5110
	4 Name and Address of Responsible Agency IEPA 2200 Churchill Rd Springfield, IL		217-782-3300
	5 Description of Materials HAZARDOUS SUBSTANCE, SOLID N O S. (ASBESTOS) RQ ORM-E NA 9188	6. Containers No Type	7. Total Quantity m ³ (yd ³)
	Roofing materials contaminated with asbestos 1 roll off 20 yds		
	8 Special Handling Instructions and Additional Information		
9 GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.			
Transporter	Printed/Typed Name & Title T. L. O. C. A. Behr of Perforating Sheet Metal - T. L. O. C. A.		Signature Month Day Year 3 4 05
	10. Transporter 1 (Acknowledgement of Receipt of Materials)		
	Printed/Typed Name & Title M. S. Khan 847-623-3870 Address and Telephone No. 2230 Ernie Kruger Circle Waukegan, IL 60087		Signature Month Day Year 3 - 4 - 05 TRK # J202003
Disposal Site	11. Transporter 2 (Acknowledgement of Receipt of Materials)		
	Printed/Typed Name & Title Address and Telephone No.		Signature Month Day Year
	12 Discrepancy Indication Space		
13 Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12			
Printed/Typed Name & Title C. H. H. H. H.		Signature Month Day Year 03 04 05	
North East		Elevation	

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator



WSR #	101160
24 Hour Response Telephone Number	

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # 52L003022			7-14 847-731-5110		
	1. Work Site Name and Mailing Address Waukegan MGP Coke Site 180 Seahorse dr Waukegan, IL 60085			Owner's Name		Owner's Phone No.
	2. Operator's Name and Address Waukegan MGP Coke Site c/o CRA 8615 West Bryn Mawr Ave Chicago, IL 60631-3501			Operator's Phone No.		773-380-9933
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099			WDS Phone No.		847-731-5110
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill rd Springfield, IL			217-782-3300		
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S (ASBESTOS) RQ ORM-E NA 9188		6. Containers No. Type	7. Total Quantity m ³ (yd ³)		
	Roofing materials contaminated with Asbestos		1 roll off	20 yds		
	8. Special Handling Instructions and Additional Information					
9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.						
Transporter	Printed/Typed Name & Title Tulko/CA on behalf of Performing Settling Agents Tulko			Signature		Month Day Year 3 4 05
	10. Transporter 1 (Acknowledgement of Receipt of Materials)			Signature		Month Day Year 3 4 05
	Printed/Typed Name & Title Address and Telephone No. 2230 Ernie Kruger Circle Waukegan, IL 60087			Signature		Month Day Year 3 4 05
	11. Transporter 2 (Acknowledgement of Receipt of Materials)			Signature		Month Day Year
Disposal Site	12. Discrepancy Indication Space					
	13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.					
	Printed/Typed Name & Title			Signature		Month Day Year
	North East Elevation					

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

141 5/63

ONYX NORTH AMERICA CORP.

ONYX

WSR #

101162

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

24 Hour Response Telephone Number

(#16) 847-731-5110

Generator	Special Waste Profile # 52L003022					
	1. Work Site Name and Mailing Address Waukegan MRA Coke site 180 Sea Horse dr Waukegan, IL 60085		Owner's Name			
	2. Operator's Name and Address Waukegan MRA Coke Site C/O CRA 8615 West Bryn Mawr Ave Chicago, IL 60631-7501		Operator's Phone No. 773-380-9933			
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd. Zion, IL 60099		WDS Phone No 847-731-5110			
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill rd Springfield, IL		217-782-3300			
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RQ ORM-E NA 9188	6 Containers No Type	7 Total Quantity m³ (yd³)			
	Roofing materials contaminated with Asbestos		1 roll off 20 yds			
	8. Special Handling Instructions and Additional Information					
9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261						
Transporter	Printed/Typed Name & Title Tim Leo/CRA on behalf of Anthony Settly Defendable - Tim Leo		Signature [Signature]	Month 3	Day 4	Year 05
	10. Transporter 1 (Acknowledgement of Receipt of Materials)					
	Printed/Typed Name & Title 847-623-3870 Address and Telephone No 2230 Ernie Kruger Circle Waukegan, IL 60087		Signature [Signature]	Month 3	Day 4	Year 05
	11. Transporter 2 (Acknowledgement of Receipt of Materials)					
Disposal Site	Printed/Typed Name & Title		Signature	Month	Day	Year
	Address and Telephone No.					
	12. Discrepancy Indication Space					
13. Waste Disposal Site Owner or Operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 12						
Printed/Typed Name & Title		Signature	Month	Day	Year	
North	East	Elevation	[Signature]			

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

141756

ONYX NORTH AMERICA CORP.

ONYX

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

WSR #		101164	
24 Hour Response Telephone Number			
Special Waste Profile # 526003022		#18 847-731-5110	
1 Work Site Name and Mailing Address Waukegan MGP Coke Site 180 Seahorse Dr Waukegan, IL 60031-3501		Owner's Name Owner's Phone No.	
2 Operator's Name and Address Waukegan MGP Coke Site c/o CRA 8615 West Bryn Mawr Ave. Chicago, IL 60631-3501		Operator's Phone No. 773-380-9933	
3 Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd. Zion, IL 60099		WDS Phone No 847-731-5110	
4 Name and Address of Responsible Agency EPA 2200 Church Hill Rd. Springfield, IL		217-382-3300	
5 Description of Materials HAZARDOUS SUBSTANCE, SOLID N O S. (ASBESTOS) RQ ORM-E NA 9188		6 Containers No. Type	7 Total Quantity m ³ (yd ³)
Roofing materials contaminated with Asbestos		1 roll off	20 yds
8. Special Handling Instructions and Additional Information			
9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261			
Printed/Typed Name & Title Teresa C. Anderson, EPA		Signature Teresa C. Anderson	Month Day Year 3 4 05
10. Transporter 1 (Acknowledgement of Receipt of Materials)			
Printed/Typed Name & Title Address and Telephone No. 847-623-3870 2230 Ernie Kruger Circle Waukegan, IL 60087		Signature [Signature]	Month Day Year 3 4 05 TRK # T206018
11. Transporter 2 (Acknowledgement of Receipt of Materials)			
Printed/Typed Name & Title Address and Telephone No.		Signature	Month Day Year
12 Discrepancy Indication Space			
13 Waste Disposal Site Owner or Operator. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12			
Printed/Typed Name & Title North East		Signature [Signature]	Month Day Year 03 04 05
Elevation			

Generator

Transporter

Disposal Site

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

1411698

ONYX NORTH AMERICA CORP.

ONYX

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

WSR #	101166
24 Hour Response Telephone Number	

Generator	Special Waste Profile # 5ZL003022		#20 847-731-5110	
	1 Work Site Name and Mailing Address Waukegan MAP Coke Site 180 Seahorse Dr Waukegan, IL 60085		Owner's Name	
	2 Operator's Name and Address Waukegan MAP Coke Site c/o CRA 8615 West Bryn Mawr Ave Chicago, IL 60631-3501		Operator's Phone No. 773-380-9933	
	3 Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd. Zion, IL 60099		WDS Phone No. 847-731-5110	
	4. Name and Address of Responsible Agency		217-782-3200	
	5 Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RQ ORM-E NA 9188	6. Containers No. Type	7. Total Quantity m ³ (yd ³)	
	Roofing materials contaminated with Asbestos		1 roll off 20 yds	
	8. Special Handling Instructions and Additional Information			
9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.				
Printed/Typed Name & Title Tim Leo/CRA on behalf of Performing Safety Depts - Tim Leo		Signature [Signature]		Month 3
Day 4		Year 05		
Transporter	10 Transporter 1 (Acknowledgement of Receipt of Materials)			
	Printed/Typed Name & Title 847-623-3870 Address and Telephone No. 2230 Ernie Kruger Circle Waukegan, IL 60087		Signature [Signature]	
	Month 3		Day 4	
Year 05		TRK # T206018		
11. Transporter 2 (Acknowledgement of Receipt of Materials)				
Printed/Typed Name & Title		Signature		Month
Address and Telephone No				Day
				Year
Disposal Site	12 Discrepancy Indication Space			
	13 Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.			
	Printed/Typed Name & Title [Signature]		Signature [Signature]	
Month 03		Day 04		Year 05
North		East		Elevation

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

141755



WSR # 101169

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

24 Hour Response Telephone Number

Generator	Special Waste Profile # 52L003022		#23		847-731-5110	
	1. Work Site Name and Mailing Address Waukegan MGP Coke site 180 Sea horse dr. Waukegan, IL 60085			Owner's Name		Owner's Phone No
	2. Operator's Name and Address Waukegan MGP Coke Site c/o CRA 8015 West Bryn Mawr Ave. Chicago, IL 60631-2501			Operator's Phone No.		773-380-9933
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd. Zion, IL 60099			WDS Phone No.		847-731-5110
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill rd. Springfield, IL			217-782-3300		
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RQ ORM-E NA 9188		6. Containers No Type		7. Total Quantity m³ (yd³)	
	Roofing materials contaminated with Asbestos		1 roll off		20 yds	
	8. Special Handling Instructions and Additional Information					
9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.						
Printed/Typed Name & Title: Tom Ko/CRA on behalf of Performing Selling Defendants-Tale Signature: [Signature] Month: 3 Day: 7 Year: 05						
Transporter	10. Transporter 1 (Acknowledgement of Receipt of Materials)					
	Printed/Typed Name & Title Address and Telephone No. 2230 Ernie Kruger Circle Waukegan, IL 60087		Signature [Signature]		Month: 3 Day: 7 Year: 05 TRX# T206018	
	11. Transporter 2 (Acknowledgement of Receipt of Materials)					
Disposal Site	Printed/Typed Name & Title Address and Telephone No.		Signature		Month Day Year	
	12. Discrepancy Indication Space					
	13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12. [Signature] Printed/Typed Name & Title: [Signature] Signature: [Signature] Month: 03 Day: 07 Year: 05 North East Elevation					

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

141875

ONYX NORTH AMERICA CORP.

ONYX

WSR #	101168
24 Hour Response Telephone Number	

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # <u>SZL0030R2</u>		#22 <u>847-731-5110</u>	
	1. Work Site Name and Mailing Address <u>Waukegan MGP Coke Site</u> <u>180 Sea Horse dr</u> <u>Waukegan IL 60085</u>		Owner's Name	
	2. Operator's Name and Address <u>Waukegan MGP Coke Site</u> <u>c/o CRA</u> <u>8615 West Bryn Mawr Ave</u> <u>Chicago, IL 60631-3501</u>		Operator's Phone No <u>773-380-9933</u>	
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site <u>Onyx Zion Landfill</u> <u>701 Green Bay Rd. Zion, IL 60099</u>		WDS Phone No <u>847-731-5110</u>	
	4. Name and Address of Responsible Agency <u>IEPA</u> <u>2200 Church Hill rd.</u> <u>Springfield, IL</u>		217-782-3300	
	5. Description of Materials <u>HAZARDOUS SUBSTANCE, SOLID N.O.S</u> <u>(ASBESTOS) RQ ORM-E NA 9188</u>	6. Containers No. Type	7. Total Quantity m ³ (yd ³)	
	<u>Roofing materials contaminated</u> <u>with Asbestos</u>		<u>1 roll off</u> <u>20 yds</u>	
	8. Special Handling Instructions and Additional Information			
9. GENERATOR CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.				
Transporter	Printed/Typed Name & Title <u>Tina Leo CRA on behalf of Parkway Settling Defendants - Tina Leo</u>		Signature <u>Tina Leo</u>	
	Address and Telephone No. <u>847-623-3870</u> <u>2230 Ernie Kruger Circle</u> <u>Waukegan, IL 60087</u>		Month Day Year <u>03 7 05</u>	
	10. Transporter 1 (Acknowledgement of Receipt of Materials)		Trk# <u>T2</u>	
	11. Transporter 2 (Acknowledgement of Receipt of Materials)			
Disposal Site	Printed/Typed Name & Title		Signature	
	Address and Telephone No		Month Day Year	
	12. Discrepancy Indication Space			
	13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12			
Printed/Typed Name & Title		Signature		Month Day Year
North East		Elevation		

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

141876

ONYX NORTH AMERICA CORP.

ONYX

WSR #

101170

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

24 Hour Response Telephone Number

847-731-5110

Special Waste Profile # 52L003022

#24

1. Work Site Name and Mailing Address

Waukegan MGP Coke Site
180 Seahorse Dr
Waukegan, IL 60085

Owner's Name

Owner's Phone No

2. Operator's Name and Address

Waukegan MGP Coke Site
C/O CRA
8615 West Bryn Mawr Ave
Chicago, IL 60631-3501

Operator's Phone No.

773-380-9933

3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site

Onyx Zion Landfill
701 Green Bay Rd. Zion, IL 60099

WDS Phone No.

847-731-5110

4. Name and Address of Responsible Agency

EPA
2200 Church Hill Rd.
Springfield, IL

217-782-3300

5. Description of Materials

HAZARDOUS SUBSTANCE, SOLID N.O.S.
(ASBESTOS) RQ ORM-E NA 9188

6. Containers

No. Type

7. Total Quantity

m³ (yd³)

Roofing materials contaminated
with Asbestos

1 roll off

20 yds

8. Special Handling Instructions and Additional Information

9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261

Printed/Typed Name & Title

Signature

Month

Day

Year

Trained CRA on behalf of Perfing Solting Defendants - Tim Leo

3 8 05

10. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name & Title

Signature

Month

Day

Year

ARMANPS, Inc 847-623-3870
Address and Telephone No.

2230 Ernie Kruger Circle

Waukegan, IL 60087

[Signature]

PK# T202003

11. Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name & Title

Signature

Month

Day

Year

Address and Telephone No

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator

Certification of receipt of asbestos materials covered by this manifest except as noted in item 12

Printed/Typed Name & Title

Signature

Month

Day

Year

North East

Elevation

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

2003
WO 142018
ONYX NORTH AMERICA CORP.

ONYX

WSR # 100884

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

24 Hour Response Telephone Number

847-731-5110

Special Waste Profile # 52L003022

#26

1. Work Site Name and Mailing Address

Waukegan MGP Lake Site
180 Seahorse Dr.
Waukegan IL 60085

Owner's Name

Owner's Phone No.

2. Operator's Name and Address

Waukegan MGP Lake Site
c/o ERA
8615 West Bryn Mawr Ave Chicago IL 60631-3501

Operator's Phone No.

713-380-9933

3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site

Onyx Zion Landfill
701 Green Bay Rd. Zion, IL 60099

WDS Phone No

847-731-5110

4. Name and Address of Responsible Agency

IEPA 2200 Churchill Rd
Springfield IL

217-782-3300

5. Description of Materials

HAZARDOUS SUBSTANCE, SOLID N.O.S
(ASBESTOS) RQ ORM-E NA 9188

6. Containers

No Type

7. Total Quantity

m³ (yd³)

Roofing materials contaminated with
Asbestos

1 Roll off

20 yds

8. Special Handling Instructions and Additional Information

9. GENERATOR CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261

Printed/Typed Name & Title

Signature

Month

Day

Year

10. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name & Title

Signature

Month

Day

Year

Address and Telephone No. 847-623-3870

2230 Ernie Kruger Circle
Waukegan IL 60087

3 8 05

11. Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name & Title

Signature

Month

Day

Year

Address and Telephone No.

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator.

Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.

Printed/Typed Name & Title

Signature

Month

Day

Year

North

East

Elevation

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

ONYX NORTH AMERICA CORP.

ONYX

WSR #

100089

24 Hour Response Telephone Number

847-731-5110

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Special Waste Profile # SZL003022

#31

1 Work Site Name and Mailing Address
Waukegan MGP Coke Site
180 Sea Horse Dr.
Waukegan, IL 60085

Owner's Name

Owner's Phone No

2. Operator's Name and Address
Waukegan MGP Coke Site
c/o CRA
8615 West Bryn Mawr Ave.
Chicago, IL 60631-3501

Operator's Phone No.

773-380-9933

3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site
Onyx Zion Landfill
701 Green Bay Rd. Zion, IL 60099

WDS Phone No.
847-731-5110

4 Name and Address of Responsible Agency
IEPA
2200 Church Hill Rd.
Springfield, IL

217-782-3300

5. Description of Materials
HAZARDOUS SUBSTANCE, SOLID N.O.S
(ASBESTOS) RQ ORM-E NA 9188

6. Containers
No. Type

7. Total Quantity
m³ (yd³)

Roofing materials contaminated
with Asbestos

1 roll off

20 yds

8. Special Handling Instructions and Additional Information

9 GENERATOR CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations, **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261

Printed/Typed Name & Title

Signature

Month

Day

Year

10 Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name & Title

Signature

Month

Day

Year

Address and Telephone No

2230 Ernie Kruger Circle

Waukegan, IL 60087

3

8

05

TRK# T202003

11 Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name & Title

Signature

Month

Day

Year

Address and Telephone No.

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator

Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.

Printed/Typed Name & Title

Signature

Month

Day

Year

North

East

Elevation

WHITE Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

142019

ONYX NORTH AMERICA CORP.

ONYX

WSR #

100087

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

24 Hour Response Telephone Number

847-731-5110

Special Waste Profile # 521003022

#29

1 Work Site Name and Mailing Address

Waukegan MGP Lake Site
180 Seahorse Dr.
Waukegan IL 60085

Owner's Name

Owner's Phone No.

2. Operator's Name and Address

Waukegan MGP Lake Site
JOLRA
8105 West Bryn Mawr Ave
Chicago IL 60631-3501

Operator's Phone No.

773-380-9933

3 Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site

Onyx Zion Landfill
701 Green Bay Rd. Zion, IL 60099

WDS Phone No

847-731-5110

4 Name and Address of Responsible Agency

IEPA
2200 Churchill Rd
Springfield IL

217-782-3300

5. Description of Materials

HAZARDOUS SUBSTANCE, SOLID N O S
(ASBESTOS) RQ ORM-E NA 9188

6. Containers

No Type

7 Total Quantity

m³ (yd³)Roofing materials contaminated with
Asbestos

1 roll off

20 yds

8 Special Handling Instructions and Additional Information

9 GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261

Printed/Typed Name & Title

Signature

Month

Day

Year

10 Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name & Title

Signature

Month

Day

Year

Address and Telephone No.

Almaro S. Hernandez
847-623-3870
2230 Ernie Kruger Circle
Waukegan IL 60087

TRK# T202003

11 Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name & Title

Signature

Month

Day

Year

Address and Telephone No

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator

Certification of receipt of asbestos materials covered by this manifest except as noted in item 12

Printed/Typed Name & Title

Signature

Month

Day

Year

North

East

Elevation

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator



WSR #	101171
24 Hour Response Telephone Number	

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # 5ZL003022			#8	847-731-5110
	1. Work Site Name and Mailing Address Waukegan MHP Lake Site 180 Seahorse Dr Waukegan, IL 60085		Owner's Name		Owner's Phone No
	2. Operator's Name and Address Waukegan MHP Lake Site c/o CRA 8615 West Bryn Mawr Ave Chicago, IL 60631-3501		Operator's Phone No.		773-380-9933
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd. Zion, IL 60099		WDS Phone No		847-731-5110
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill Rd. Springfield, IL		Operator's Phone No.		217-782-3300
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RQ ORM-E NA 9188	6. Containers No Type	7. Total Quantity m ³ (yd ³)		
	Roofing materials contaminated with Asbestos		1 roll off	20 yds	
	8. Special Handling Instructions and Additional Information				
9. GENERATOR CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261					
Printed/Typed Name & Title Timothy CRA on behalf of Performing Safety Data July 3 8 05					
Transporter	10. Transporter 1 (Acknowledgement of Receipt of Materials)				
	Printed/Typed Name & Title 847-623-3870 Address and Telephone No 2230 Ernie Kruger Circle Waukegan, IL 60087		Signature 		Month Day Year 3 8 05
	11. Transporter 2 (Acknowledgement of Receipt of Materials)				
Disposal Site	Printed/Typed Name & Title		Signature		Month Day Year
	Address and Telephone No.				
	12. Discrepancy Indication Space				
13. Waste Disposal Site Owner or Operator. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12					
Printed/Typed Name & Title		Signature		Month Day Year	
North	East	Elevation			

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

ONYX NORTH AMERICA CORP.

ONYX

WSR #	100885
24 Hour Response Telephone Number	847-731-5110

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # 52L003022			#27	Owner's Name			Owner's Phone No.									
	1 Work Site Name and Mailing Address Whitkogan MGP Lake Site 180 Sp. Horse Dr. Whitkogan IL 60085																
	2 Operator's Name and Address Whitkogan MGP Lake Site c/o CRA 8615 West Bryn Mawr Ave Chicago IL 60631-3501						Operator's Phone No. 773-380-9933										
	3 Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099						WDS Phone No. 847-731-5110										
	4 Name and Address of Responsible Agency IEPA 2200 Churchill Rd Springfield IL						217-782-3300										
	5 Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RQ ORM-E NA 9188			6 Containers No. Type		7. Total Quantity m ³ (yd ³)											
	Roofing materials contaminated with Asbestos			1 roll off		20 yds											
	8 Special Handling Instructions and Additional Information																
9 GENERATOR CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261																	
Printed/Typed Name & Title Tim Leno/CRA on behalf of Performing Setting Defect A-B-Tim Leno										Signature		Month		Day		Year	
10 Transporter 1 (Acknowledgement of Receipt of Materials)										Signature		Month		Day		Year	
Printed/Typed Name & Title										Signature		Month		Day		Year	
Address and Telephone No 847-623-3870 2230 Ernie Kruger Circle Whitkogan IL 60087										Signature		3		8		05	
11. Transporter 2 (Acknowledgement of Receipt of Materials)										Signature		Month		Day		Year	
Printed/Typed Name & Title										Signature		Month		Day		Year	
Address and Telephone No										Signature		Month		Day		Year	
12 Discrepancy Indication Space										Signature		Month		Day		Year	
13 Waste Disposal Site Owner or Operator. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.										Signature		Month		Day		Year	
Printed/Typed Name & Title										Signature		Month		Day		Year	
North										East		Elevation					

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

142 015



WSR #	100886
24 Hour Response Telephone Number	

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # <u>52L003022</u>		#28		847-731-5110				
	1. Work Site Name and Mailing Address <u>Winkegan mbl Lake Site</u> <u>180 Seahorse Dr.</u> <u>Winkegan IL 60085</u>			Owner's Name		Owner's Phone No.			
	2. Operator's Name and Address <u>Winkegan mbl Lake Site</u> <u>c/o ERA</u> <u>815 West Bryn Mawr Ave</u> <u>Chicago IL 60631-3501</u>			Operator's Phone No.		<u>773-380-9933</u>			
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd. Zion, IL 60099			WDS Phone No.		847-731-5110			
	4. Name and Address of Responsible Agency <u>IEPA</u> <u>2200 Churchhill Rd</u> <u>Springfield IL</u>			217-782-3300					
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RQ ORM-E NA 9188		6 Containers No Type	7 Total Quantity m ³ (yd ³)					
	<u>Rocky materials contaminated with</u> <u>Asbestos</u>		<u>1 roll off</u>	<u>20 yds</u>					
	8. Special Handling Instructions and Additional Information								
9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261									
Transporter	Printed/Typed Name & Title <u>Tina Loo/CRA on behalf of Performing Selling Defendants - Talano</u>		Signature <u>[Signature]</u>		Month <u>3</u>	Day <u>8</u>	Year <u>05</u>		
	10 Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name & Title Address and Telephone No <u>847-623-3870</u> <u>2230 Ernie Kruger Circle</u> <u>Winkegan IL 60087</u>		Signature <u>[Signature]</u>		Month <u>3</u>	Day <u>8</u>	Year <u>05</u>
	11 Transporter 2 (Acknowledgement of Receipt of Materials)		Printed/Typed Name & Title Address and Telephone No.		Signature		Month	Day	Year
	12. Discrepancy Indication Space								
Disposal Site	13 Waste Disposal Site Owner or Operator. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.								
	Printed/Typed Name & Title <u>[Signature]</u> <u>GARCIA</u>		Signature <u>[Signature]</u>		Month <u>3</u>	Day <u>8</u>	Year <u>05</u>		

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

142043

ONYX

WSR #	100888
24 Hour Response Telephone Number	

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # 52L003022		(430) 847-731-5110			
	1. Work Site Name and Mailing Address Waukegan MGP Coke Site 180 Seahorse Dr Waukegan IL 60085		Owner's Name			
	2. Operator's Name and Address Waukegan MGP Coke Site c/o CRA 8615 West Bryn Mawr Ave Chicago, IL 60631-3501		Operator's Phone No. 773-380-9933			
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099		WDS Phone No. 847-731-5110			
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill Rd Springfield, IL		217-782-3300			
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N O S (ASBESTOS) RQ ORM-E NA 9188	6. Containers No Type	7. Total Quantity m ³ (yd ³)			
	Roofing materials contaminated with Asbestos		1 roll off	20 yds.		
	8. Special Handling Instructions and Additional Information					
9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261						
Printed/Typed Name & Title Talbot/CRA on behalf of Performing Settling Defaults - Talbot		Signature	Month	Day	Year	
3		8	05			
Transporter	10. Transporter 1 (Acknowledgement of Receipt of Materials)					
	Printed/Typed Name & Title Address and Telephone No. 2230 Ernie Kruger Circle Waukegan, IL 60087		Signature	Month	Day	Year
	3		8	05		
	TRK# 6008					
11. Transporter 2 (Acknowledgement of Receipt of Materials)						
Printed/Typed Name & Title		Signature	Month	Day	Year	
Address and Telephone No.						
Disposal Site	12. Discrepancy Indication Space					
	13. Waste Disposal Site Owner or Operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item-12.					
	Printed/Typed Name & Title		Signature	Month	Day	Year
North		East	Elevation			

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

142238

ONYX NORTH AMERICA CORP.

ONYX

WSR #	100890
24 Hour Response Telephone Number	847-731-5110

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # SZL003022		#32	
	1. Work Site Name and Mailing Address Waukegan MRP Lake Site 180 Sea Horse Dr. Waukegan, IL 60085		Owner's Name	
	2. Operator's Name and Address Waukegan MRP Lake Site c/o CRA 8765 West Bryn Mawr Ave Chicago, IL 60631-3501		Operator's Phone No. 773-380-9233	
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd Zion, IL 60099		WDS Phone No. 847-731-5110	
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill Rd Springfield IL		217-782-3300	
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RQ ORM-E NA 9188	6. Containers No Type	7. Total Quantity m ³ (yd ³)	
	Roofing materials contaminated with Asbestos		1 roll of f 20 yds	
	8. Special Handling Instructions and Additional Information			
9. GENERATOR CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261				
Transporter	Printed/Typed Name & Title Tim Lino/CRA on behalf of Performing Settling Defendants - Tim Lino		Signature [Signature]	
	Address and Telephone No. 847-623-3870 2230 Ernie Kruger Circle Waukegan, IL 60087		Month Day Year 3 10 05 Trk# T206018	
	10. Transporter 1 (Acknowledgement of Receipt of Materials)			
	11. Transporter 2 (Acknowledgement of Receipt of Materials)			
Disposal Site	Printed/Typed Name & Title		Signature	
	Address and Telephone No.		Month Day Year	
	12. Discrepancy Indication Space			
13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12				
Printed/Typed Name & Title Robinson		Signature [Signature]		Month Day Year 3/10/05
North East		Elevation		

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator

WSR # 100891

24 Hour Response Telephone Number 847-731-5110

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

Generator	Special Waste Profile # 52L003022		Owner's Name		Owner's Phone No.		
	1. Work Site Name and Mailing Address Waukegan MBP Coke Site 180 Sea Horse Dr Waukegan, IL 60087						
	2. Operator's Name and Address Waukegan MBP Coke Site C/O CRA 8615 West Bryn Mawr Ave Chicago, IL 60631-3501				Operator's Phone No. 773-380-9933		
	3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Onyx Zion Landfill 701 Green Bay Rd. Zion, IL 60099				WDS Phone No. 847-731-5110		
	4. Name and Address of Responsible Agency IEPA 2200 Church Hill Rd Springfield, IL				217-782-3300		
	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RQ ORM-E NA 9188	6. Containers No Type	7. Total Quantity m³ (yd³)				
	Roofing materials contaminated with Asbestos		1 roll off		20 yds		
	8. Special Handling Instructions and Additional Information						
9. GENERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been probably described, classified and packaged, and is in proper condition for transportation according to applicable regulations, AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261							
Transporter	Printed/Typed Name & Title Tim Luo/CERT on behalf of Permy Setting Data - B - Tim Luo		Signature		Month	Day	Year
	10. Transporter 1 (Acknowledgement of Receipt of Materials)				3	16	05
	Printed/Typed Name & Title 847-623-3870 Address and Telephone No. 2230 Ernie Kruger Circle Waukegan, IL 60087		Signature		Month	Day	Year
					3	10	05
Disposal Site	11. Transporter 2 (Acknowledgement of Receipt of Materials)				Trk # 12018		
	Printed/Typed Name & Title		Signature		Month	Day	Year
	Address and Telephone No						
12. Discrepancy Indication Space							
13. Waste Disposal Site Owner or Operator. Certification of receipt of asbestos materials covered by this manifest except as noted in item 12							
Printed/Typed Name & Title North		Signature		Month	Day	Year	
				03	10	05	
East		Elevation					

WHITE - Waste Disposal Site

CANARY - Generator/Operator

PINK - Transporter

GOLD - Generator/Operator



**Sevenson
Environmental
Services, Inc.**

LETTER OF TRANSMITTAL

8270 Whitcomb Street
Merrillville, IN 46410
(219) 756-4686

TO: Conestoga-Rover & Associates	DATE: April 19, 2005
ADDRESS: 8615 West Bryn Mawr Ave.	JOB NO.: E-855
CITY: Chicago, IL 60631-3501	RE: ACM Certificates of Disposal/ Recycle Section 02120-1, A-2
ATTENTION: Mr. Tim Leo	

PLEASE BE ADVISED:

WE ARE SENDING YOU:

☐ PRINTS

☐ PLANTS

☐ ARTWORK

☐ PROOFS

☐

X Attached

☐ SHOP DRAWINGS

☐ PHOTOGRAPHS

☐ Under Separate Cover Via The Following:

☐ SAMPLES

☐ SPECIFICATIONS

☒ COPY OF LETTER(s)

☐ CHANGE ORDER

	No. of Copies	Drawing No.	Date	Description
1	11		4/19/05	Certificates of disposal/Recycle
2				
3				
4				
5				

THESE ARE BEING TRANSMITTED AS INDICATED BELOW:

☐ AS REQUESTED

☐ APPROVED AS IS

☐ SUBMIT COPIES FOR DISTRIBUTION

☒ FOR APPROVAL

☐ APPROVED WITH CORRECTIONS

☐ RETURN CORRECTED

☐ FOR YOUR USE

☐ RETURNED WITH CORRECTIONS

☐ RETURNED AFTER LOAN TO US

☐ FOR YOUR COMMENTS

☐ RESUBMIT COPIES FOR APPROVAL

☐

COMMENTS:

Tim,

Lead batteries were collected and disposed of on two separate occasions.

Rec'd CRA

APR 20 2005

COPIES TO:	SEVENSON ENVIRONMENTAL SERVICES, INC.
.	
.	
.	
.	
.	
.	
	Signed <u>C. Taylor</u>

G.W. Berkheimer Company

7635 West 183rd Street
Tinley Park, IL 60479
(708) 532-8100

Certificate of Recycle/Beneficial Reuse

February 9, 2005

Mr. Stephen Sharp
8270 Whitcomb Street
Merrillville, IN 46410

Site Reference: Waukegan Manufactured Gas & Coke Plant
 Site 180 & 200 Seahorse Drive
 Waukegan, IL 60085

Dear Mr. Sharp:

G.W. Berkheimer Company received 326 pounds of R-22 refrigerant. The material will be put into rotating stock for beneficial reuse.

Sincerely,



Ghan Patel
Branch Manager

Mosner
Environmental Management, Inc
11611 Parkside Lane
Mokena, IL 60448-8213

Certificate of Disposal


Generator: Waukegan Manufactured Gas & Coke Plant
180 & 200 Sea Horse Drive
Waukegan, IL 60085

Date of Removal: February 8, 2005

Material received: 33 Radio Active Smoke Alarms

Disposal/Recycling Facility: Kidde Safety Products
Reclaim Department
1394 S. 3rd Street
Mebane, NC 27302

Mosner Environmental Management, Inc.


William Darling



Certificate of Quality Assurance

This is to certify that

On this date, February, 8, 2005, 250 gallons of glycol and water, Manifest # IL10675479# from Waukegan Manufacturing Gas and Coke Plant, were received and treated in accordance with the United States Environmental Protection Agency and the Indiana Department of Environmental Management regulations.

BY: 
Karen Lazar Operations Coordinator.



Certificate of Quality Assurance

This is to certify that

On this date, February, 8, 2005, one fifty five gallon drum containing latex paint cans, Manifest # IL10675480 from Waukegan Manufacturing Gas and Coke Plant, was received and will be properly disposed of in accordance with the United States Environmental Protection Agency and the Indiana Department of Environmental Management regulations.

BY: 
Karen Lazar Operations Coordinator.



Certificate of Recycling

Certificate # 214624

Generator: Outboard Marine Corp.
Address: 200 Seahorse Dr
Waukegan, IL

Date: February 09, 2005

ITEMS RECEIVED & RECYCLED

3 Lbs of Mercury Products

Everlights certifies that the above waste has been successfully recycled and disposed of in accordance with all federal and state regulations.


Environmental Coordinator



Certificate of Recycling

Certificate # 214682

Generator: Waukegan Gas & Coke
Address: 180 Seahorse Dr
Waukegan, IL

Date: February 17, 2005

ITEMS RECEIVED & RECYCLED

3267 Lbs of Lead Acid Batteries

Everlights certifies that the above waste has been successfully recycled and disposed of in accordance with all federal and state regulations.


Environmental Coordinator

RECEIVED
... 2-17-05



Certificate of Recycling

Certificate # 214624

Generator: Outboard Marine Corp.
Address: 200 Seahorse Dr
Waukegan, IL

Date: February 09, 2005

ITEMS RECEIVED & RECYCLED

525 Lbs of Lead Acid Batteries

Everlights certifies that the above waste has been successfully recycled and disposed of in accordance with all federal and state regulations.


Environmental Coordinator



Certificate of Recycling

Certificate # 214624

Generator: Outboard Marine Corp.
Address: 200 Seahorse Dr
Waukegan, IL

Date: February 09, 2005

ITEMS RECEIVED & RECYCLED

3420 Lbs of PCB

Everlights certifies that the above waste has been successfully recycled and disposed of in accordance with all federal and state regulations.


Environmental Coordinator



Certificate of Recycling

Certificate # 214624

Generator: Outboard Marine Corp.
Address: 200 Seahorse Dr
Waukegan, IL

Date: February 09, 2005

ITEMS RECEIVED & RECYCLED

3060 4' & Under Fluorescent Lamps

Everlights certifies that the above waste has been successfully recycled and disposed of in accordance with all federal and state regulations.

Environmental Coordinator

**Newton County Landfill Partnership**

P.O. Box 113 • 2266 E. 500 S. Rd.
Brook, Indiana 47922

February 11, 2005

Sevenson Environmental
Attn: Steven Sharp
8270 Whitcob
Merrillville, IN 46410

This letter of destruction is for 4 load consisting of Asbestos Drywall & Floor Tile & Mastic from Waukegan Gas & Coke Plant, 180 & 200 Seahorse Drive, Waukegan IL.

On these date(s) February 1st, 7th, and 8th the above mentioned material has been accepted for disposal. The material is to be commingled with other solid waste, and covered as required in the operating permit, at the Newton County Landfill.

Sincerely,

Nick Stengel
Site Manager
Newton County Landfill

APPENDIX J

ASBESTOS ABATEMENT AIR MONITORING LOGS



**CONESTOGA-ROVERS
& ASSOCIATES**

8615 W. Bryn Mawr Avenue, Chicago, Illinois 60631
Telephone: (773) 380-9933 Fax. (773) 380-6421
www.CRAworld.com

MEMORANDUM

TO: Randy Campbell / SES

REF. NO.: 019023-84

FROM: Tim Leo

DATE: February 11, 2005

C.C.: file

RE: **Asbestos Removal Signoff**

In accordance with Section 02223 Part 3.1 N of the Remedial Action Contract Documents for the Waukegan Manufactured Gas and Coke Plant Site (Site), Conestoga-Rovers and Associates (CRA) has performed the required visual inspection of the Data Processing Center and the ES&H building upon completion of the asbestos removal action. All visible asbestos materials have been removed.

Furthermore, in accordance with Section 02223 Part 3.1 N of the Remedial Action Contract Documents for the Site, CRA has reviewed the contractor supplied air monitoring logs for the asbestos removal work areas. The results indicate that the final confirmatory air sampling have achieved a concentration of less than 0.01 fibers per cubic centimeter.

If there are any further questions, feel free to contact me at your earliest convenience.

Specialty Systems of Illinois, Inc.

Rec'd CRA
FEB 09 2005

February 8, 2005

Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14035

Regarding: Air sampling info @ Former Outboard Marine Corporation

Dear Curtis:

As requested, below is a breakdown of information you requested.

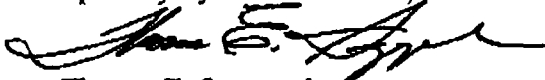
1. Excursion = 30 minute OSHA sampling to ensure that no employee is exposed to airborne concentration of asbestos in excess of 1.0 fiber per cubic centimeter of air (1f/cc)
2. P.T.W.A. = Personal time weighted average
3. D.C.U. = Decontamination Unit
4. Area sample = A high volume area sample inside or outside of work area
5. Waste out = A Personal sample taken while disposing ACM material into dumpster or an area sample taken at waste out area inside or outside of work area
6. CLR = Final clearance sample

Note = All samples taken that have a description of "Basement" are samples taken at the 190 Seahorse Drive facility.
All other samples are from the 200 Seahorse Drive facility.

If you have any questions or need additional information, please call me at 708.333.4411.

Respectfully,

Specialty Systems of Illinois, Inc.



Thomas E. Szymczak
Project Manager/Estimator

TES/mt

*an affiliate of Specialty Systems Incorporated
The Asbestos Management Group*

183 W. 162nd Street
South Holland, Illinois 60473
708/333-4411

CONTRACT NAME 1000 1000 1000 1000
LOCATION 1000 1000 1000
City State
CO JOB NO 1000 1000 1000
DATE 10/10/97 COLLECTED BY 1000 1000

OTHER _____
SEND WRITTEN REPORT TO _____

ATTN 1000 1000

1	2	3	4	5	6	7	8	9	10	11	12
Sample ID Code	Pump ID Nos	Sample Description Type/Location/Activity If Personal - Need Name	Sampling Period			Pump Flow Rates l/m			Sample Volume Tot Min X Average Flow rate	Lab Results	
			Start	Stop	Total Min	Start	Stop	Average		Fibers per Fields	f/cc of Air
100001	101	1000 1000 1000 1000	1:00	1:10	10	100	100	100	10		
100002	101	1000 1000 1000 1000	1:10	1:20	10	100	100	100	10		
100003	101	1000 1000 1000 1000	1:20	1:30	10	100	100	100	10		
100004	101	1000 1000 1000 1000	1:30	1:40	10	100	100	100	10		
100005	101	1000 1000 1000 1000	1:40	1:50	10	100	100	100	10		
100006	101	1000 1000 1000 1000	1:50	2:00	10	100	100	100	10		
100007	101	1000 1000 1000 1000	2:00	2:10	10	100	100	100	10		
100008	101	1000 1000 1000 1000	2:10	2:20	10	100	100	100	10		
100009	101	1000 1000 1000 1000	2:20	2:30	10	100	100	100	10		
100010	101	1000 1000 1000 1000	2:30	2:40	10	100	100	100	10		

COMMENTS — Average flow rate is sum of start and stop flow rates divided by 2
"Fibers per field" should be entered by Lab as follows for 5 fibers per 100 fields — 5/100
for 100 fibers per 50 fields — 100/50
The space below should be used for additional comments and 8 hr TWA determinations.

l/m — Means liters per minute

1540.1
WHITE COPY — LABORATORY
YELLOW COPY — OFFICE
PINK COPY — OWNER/ARCHITECT

INSTRUCTIONS TO LABORATORY
PLEASE ANALYZE USING NIOSH
METHOD UNLESS SPECIFIED OTHERWISE

OTHER _____
SEND WRITTEN REPORT TO _____

ATTN Salir K

COMMENTS — Average flow rate is sum of start and stop flow rates divided by 2
 "Fibers per field" should be entered by Lab as follows for 5 fibers per 100 fields — 5/100
 for 100 fibers per 50 fields — 100/50
 The space below should be used for additional comments and 8 hr. TWA determinations.

ℓ/m — Means liters per minute

15 40 1

WHITE COPY — LABORATORY
YELLOW COPY — OFFICE
PINK COPY — OWNER/ARCHITECT

CONTRACT NAME 1-2 Wilson Avenue CorpLOCATION Washington D.C.
City StateCO JOB NO 15-0050DATE 1-11-85 COLLECTED BY Kevin T. HesterOTHER _____
SEND WRITTEN REPORT TO _____ATTN Julie K.

1	2	3	4	5	6	7	8	9	10	11	12
Sample I.D. Code	Pump I D Nos	Sample Description Type/Location/Activity If Personal - Need Name	Sampling Period			Pump Flow Rates l/m			Sample Volume	Lab Results	
			Start	Stop	Total Min	Start	Stop	Average		Fibers per Fields	f/cc of Air
050-0050 15	0-1	Excursion 1st floor South General Inspection Duke Gilbert	6:10	6:40	30	2.0	2.0	2.0	60		
050-0050 16	0-1	RTW 4 1st floor South General Inspection Duke Gilbert	6:40	10:00	300	2.0	2.0	2.0	400		
050-0050 17	0-2	RTW 4 1st floor South Paul Kunkin General Inspection Duke Gilbert	11:00	11:10	10	2.0	2.0	2.0	360		
050-0050 18	0-1	RTW 4 1st floor South D.C. U.	6:40	10:00	230	6.0	6.0	6.0	1380		
050-0050 19	0-1	RTW 4 1st floor South D.C. U.	11:00	2:10	110	6.0	6.0	6.0	1140		
050-0050 20	0-2	RTW 4 1st floor South D.C. U.	6:15	9:55	220	6.0	6.0	6.0	1320		
050-0050 21	0-2	RTW 4 1st floor South D.C. U.	11:15	2:00	115	6.0	6.0	6.0	990		

COMMENTS — Average flow rate is sum of start and stop flow rates divided by 2

"Fibers per field" should be entered by Lab as follows for 5 fibers per 100 fields — 5/100
for 100 fibers per 50 fields — 100/50

The space below should be used for additional comments and 8 hr TWA determinations.

l/m — Means liters per minute

15401

WHITE COPY — LABORATORY
YELLOW COPY — OFFICE
PINK COPY — OWNER/ARCHITECT

AIR SAMPLING DATA

INSTRUCTIONS TO LAB
PLEASE ANALYZE USING NIOSH 7090
METHOD UNLESS SPECIFIED OTHERWISE

CONTRACT NAME Funk Out Board Marine Corp.LOCATION Waukegan City IL. StateCO JOB NO 05C-0050DATE 2-1-05 COLLECTED BY Vernon Jefferson

OTHER _____

SEND WRITTEN REPORT TO. _____

S.S.I.ATTN Julie K.

1	2	3	4	5	6	7	8	9	10	11	12
Sample ID Code	Pump ID Nos	Sample Description Type/Location/Activity If Personal - Need Name	Sampling Period			Pump Flow Rates l/m			Sample Volume	Lab Results	
			Start	Stop	Total Min	Start	Stop	Average		Fibers per Fields	f/cc of Air
05C-0050 22	01	excursion WASTE-OUT Vernon Young	6:25	6:55	30	2.0	2.0	2.0	60	19/100	0.15
05C-0050 23	01	P.T.W.A WASTE-OUT Vernon Young	6:55	9:50	175	2.0	2.0	2.0	350	12/100	0.016
05C-0050 24	02	P.T.W.A WASTE-OUT Vernon Young	11:05	2:15	190	2.0	2.0	2.0	380	10/100	0.012
05C-0050 25	A-1	AREA-OUTSIDE WASTE-OUT WASTE-OUT	6:15	10:00	225	6.0	6.0	6.0	1350	8/100	20.01
05C-0050 26	A-1	AREA-OUTSIDE WASTE-OUT WASTE-OUT	6:00	2:15	195	6.0	6.0	6.0	1170	3/100	20.01
05C-0050 27	A-2	AREA-INSIDE WASTE-OUT (South) WASTE-OUT	6:25	9:45	200	6.0	6.0	6.0	1200	15/100	20.01
05C-0050 28	A-2	AREA-INSIDE WASTE-OUT (South) WASTE-OUT	11:10	2:10	180	6.0	6.0	6.0	1080	13/100	20.01

COMMENTS — Average flow rate is sum of start and stop flow rates divided by 2

"Fibers per field" should be entered by Lab as follows for 5 fibers per 100 fields — 5/100
for 100 fibers per 50 fields — 100/50

The space below should be used for additional comments and 8 hr TWA determinations

l/m — Means liters per minute.

WHITE COPY — LABORATORY
YELLOW COPY — OFFICE
PINK COPY — OWNER/ARCHITECT

15401

REV 07-21-97

AIR S LING DATA

INSTRUCTIONS TO
PLEASE ANALYZE USING NIOSH
METHOD UNLESS SPECIFIED OTHERWISE

OTHER _____

SEND WRITTEN REPORT TO _____

CONTRACT NAME Chickadee Water TapLOCATION 1000 S. Highway 100, Williams, AZ
City StateCO JOB NO 10000DATE 2-2-85 COLLECTED BY John V. HahnATTN W. L. K.

1	2	3	4	5	6	7	8	9	10	11	12
Sample ID Code	Pump ID Nos	Sample Description Type/Location/Activity If Personal - Need Name	Sampling Period			Pump Flow Rates l/m			Sample Volume	Lab Results	
			Start	Stop	Total Min	Start	Stop	Average	Tot Min X Average Flow rate	Fibers per Fields	f/cc of Air
100050	1	Water Tap	8:00	8:40	20	2.0	2.0	2.0	60	2	100
100050	1	Water Tap	8:40	10:25	105	2.0	2.0	2.0	210	12	100
100050	1	Water Tap	10:30	11:35	175	2.0	2.0	2.0	350	17	100
100050	1	Water Tap	11:30	12:40	150	2.0	2.0	2.0	300	11	100
100050	1	Water Tap	12:30	1:30	190	2.0	2.0	2.0	1080	11	100
100050	1	Water Tap	1:30	2:30	125	2.0	2.0	2.0	750	7	100
100050	1	Water Tap	2:35	3:35	170	2.0	2.0	2.0	1020	7	100

COMMENTS — Average flow rate is sum of start and stop flow rates divided by 2

l/m — Means liters per minute

"Fibers per field" should be entered by Lab as follows for 5 fibers per 100 fields — 5/100
for 100 fibers per 50 fields — 100/50

The space below should be used for additional comments and 8 hr TWA determinations.

WHITE COPY — LABORATORY
YELLOW COPY — OFFICE
PINK COPY — OWNER/ARCHITECT

REV.07-21-97

AIR SAMPLING DATA

INSTRUCTIONS TO LABORATORY
PLEASE ANALYZE USING NIOSH METHOD UNLESS SPECIFIED OTHERWISE

CONTRACT NAME Longwood Marine Corp.

LOCATION Longwood Marine Corp. 10000 1st Ave
City State

CO JOB NO 10000 1st Ave

DATE 10-2-05 COLLECTED BY James J. Hume

OTHER _____

SEND WRITTEN REPORT TO: _____

ATTN John K.

1	2	3	4	5	6	7	8	9	10	11	12
Sample ID Code	Pump ID Nos	Sample Description Type/Location/Activity If Personal - Need Name	Sampling Period			Pump Flow Rates l/m			Sample Volume Tot Min. X Average Flow rate	Lab Results	
			Start	Stop	Total Min	Start	Stop	Average		Fibers per Fields	f/cc of Air
15-10050		Excavation BASINMENT									
36	02	Paint Removal Remove House Tile	8:55	9:35	40	2.0	5.0	2.0	60	1/10	
15-10050		Excavation BASINMENT									
37	02	Paint Removal Remove House Tile	7:25	10:00	275	2.0	1.7	1.9	440	1/10	
15-10050		Excavation BASINMENT									
38	A-3	Paint Removal Remove House Tile	8:55	10:15	120	6.0	6.0	6.0	1800	1/100	2000
15-10050		Excavation BASINMENT									
39	A-4	Paint Removal Remove House Tile	7:50	10:55	305	6.0	6.0	6.0	1620	1/10	

COMMENTS — Average flow rate is sum of start and stop flow rates divided by 2
"Fibers per field" should be entered by Lab as follows for 5 fibers per 100 fields — 5/100
for 100 fibers per 50 fields — 100/50

l/m — Means liters per minute.

The space below should be used for additional comments and 8 hr. TWA determinations.

WHITE COPY — LABORATORY
YELLOW COPY — OFFICE
PINK COPY — OWNER/ARCHITECT

15401

REV 07-21-97

CONTRACT NAME OUTDOOR AIRLINE CorpLOCATION Waukegan, IL
City StateCO JOB NO 050-0050DATE 2-3-05 COLLECTED BY Lance J. Allen

OTHER _____

SEND WRITTEN REPORT TO: _____

ATTN Julie K

1	2	3	4	5	6	7	8	9	10	11	12
Sample ID Code	Pump ID Nos.	Sample Description Type/Location/Activity If Personal - Need Name	Sampling Period			Pump Flow Rates l/m			Sample Volume Tot Min X Average Flow rate	Lab Results	
			Start	Stop	Total Min.	Start	Stop	Average		Fibers per Fields	f/cc of Air
050-0050 40	01	Excavation Basement Pack Kneads mastic	6:15	6:45	30	2.0	2.0	2.0	60	1/100	1
050-0050 41	01	TWA Basement Pack Kneads mastic	6:45	10:05	200	2.0	2.0	2.0	400	1/100	1
050-0050 42	02	TWA Basement Pack Kneads mastic	11:10	2:15	175	2.0	2.0	2.0	350	7/100	200
050-0050 43	A-1	TWA Interior Basement mastic	6:30	10:00	220	6.0	6.0	6.0	1320	1/100	1
050-0050 44	A-1	TWA Interior Basement mastic	11:15	2:10	175	6.0	6.0	6.0	1050	1/100	1
050-0050 45	A-2	TWA Exterior 1st floor mastic	6:10	10:10	240	6.0	6.0	6.0	1440	1/100	200
050-0050 46	A-2	TWA Exterior 1st floor mastic	11:05	2:20	195	6.0	6.0	6.0	1170	1/100	200

COMMENTS — Average flow rate is sum of start and stop flow rates divided by 2.

l/m — Means liters per minute

"Fibers per field" should be entered by Lab as follows: for 5 fibers per 100 fields — 5/100
for 100 fibers per 50 fields — 100/50

The space below should be used for additional comments and 8 hr. TWA determinations.

1540.1

WHITE COPY — LABORATORY
YELLOW COPY — OFFICE
PINK COPY — OWNER/ARCHITECT

AIR SAMPLING DATA

INSTRUCTIONS TO LAB.
PLEASE ANALYZE USING NIOSH 7400-
METHOD UNLESS SPECIFIED OTHERWISE

CONTRACT NAME OUTBOARD engine Corp

LOCATION Waukegan, IL
City State

CO JOB NO 051-0050

DATE 2-4-05 COLLECTED BY Barbara S. Johnson

OTHER _____

SEND WRITTEN REPORT TO. _____

S.S.E.

ATTN Julie K.

1	2	3	4	5	6	7	8	9	10	11	12
Sample ID Code	Pump ID Nos	Sample Description Type/Location/Activity If Personal - Need Name	Sampling Period			Pump Flow Rates l/m			Sample Volume	Lab Results	
			Start	Stop	Total Min	Start	Stop	Average	Tot Min X Average Flow rate	Fibers per Fields	f/cc of Air
051-0050 17	01	extension basement clean	1:00	1:25	25	20	20	20	100	1/1	100
051-0050 48	01	h.t. water submergent clean	1:25	1:40	15	20	20	20	400	2/100	100
051-0050 49	A1	area inside basement clean	1:40	1:55	15	20	20	20	1200	2/100	100
051-0050 50	A2	area outside 1st floor clean	1:50	2:00	10	20	20	20	1000	1/1	100

COMMENTS — Average flow rate is sum of start and stop flow rates divided by 2

"Fibers per field" should be entered by Lab as follows: for 5 fibers per 100 fields — 5/100
for 100 fibers per 50 fields — 100/50

The space below should be used for additional comments and 8 hr. TWA determinations.

l/m — Means liters per minute.

1540.1

WHITE COPY — LABORATORY
YELLOW COPY — OFFICE
PINK COPY — OWNER/ARCHITECT

REV. 07-21-97

AMERECU ENGINEERING
2503 EISENHOWER, VALPARAISO, INDIANA 46383
(219) 464-0460 • Fax (219) 464-0464

Date February 3, 2005
Client SSI Project # 050-0050
Contractor: Specialty Systems of IL

Project Outboard Marine Corp.
Address 200 Sea Horse Ave
Waukegan, IL

Sample ID	Sample Type/ Activity	Workers Name SS #	Location	Start/ Stop	Total Minutes	Lpm	Vol / Liters	Fibers/ Fields	Fibers/ CC
01	CLR		North wall of large Room by windows	8:40 / 11:45	185	10	1850	6 / 100	40.01
02	CLR		West wall of large Room by windows	8:40 / 11:45	185	10	1850	7 / 100	40.01
03	CLR		North east small Room off of large Room on reg air machine	8:40 / 11:45	185	10	1850	5 / 100	40.01
04	CLR		East end of South east long room by windows	8:40 / 11:45	185	10	1850	9 / 100	40.01
05	CLR		Middle of large Room on center beam	8:40 / 11:45	185	10	1850	5 / 100	40.01

Per - Personal
 Bkg - Background
 Clr - Clearance
 Neg - Negative Air Exhaust
 IA - Inside Area
 OA - Outside Area
 IAQ - Indoor Air Quality
 GR - Gross Removal
 GB - Glove Bag
 BO - Bag Out
 CU - Clean up
 PR - Site Prep
 ** - Excursion
 TWA - 8-hr Time Weighted Avg

Comments Air was agitated before Sampling

Sampled By: [Signature]

Analyzed By: [Signature]

* All Samples are clean + area is approved for final inspection + Tear down
 Final Clearance - Passed

AMERECO ENGINEERING
2503 EISENHOWER, VALPARAISO, INDIANA 46383
(219) 464-0460 • Fax (219) 464-0464

Date February 4, 2005
Client Specialty Systems of Illinois
Contractor: Specialty Systems of Illinois

Project 190 Seahorse Ave.
Address Outboard Marine Corp
Waukegan, IL

Sample ID	Sample Type/ Activity	Workers Name S S #	Location	Start/ Stop	Total Minutes	Lpm	Vol / Liters	Fibers/ Fields	Fibers/ CC
01	CLR		^{big room} North Room in Basement Far North wall	10:10 1:10	180	10	1800	18 100	LO.01
02	CLR		South Room in Basement North wall	10:10 1:10	↓	10	↓	4 100	LO.01
03	CLR		East wall of Big Room in Basement	10:10 1:10	↓	10	↓	9 100	LO.01
04	CLR		South East Room in basement East ^{west} wall	10:10 1:10	↓	10	↓	5 100	LO.01
05	CLR		middle of Basement near The bottom of the stairs	10:10 1:10	↓	10	↓	6 100	LO.01

Legend:
Per - Personal
Bkg - Background
Clr - Clearance
Neg - Negative Air Exhaust
IA - Inside Area
OA - Outside Area
IAQ - Indoor Air Quality
GR - Gross Removal
GB - Glove Bag
BO - Bag Out
CU - Clean up
PR - Site Prep
** - Excursion
TWA - 8-hr Time Weighted Avg

Comments Floor tile + Mastic

Sampled By JH Rupp
Analyzed By JH Rupp

* All samples were less than 0.01% when analyzed.
Area is clear for final inspection + tear down.

Final Acceptance

Job Name: Fam. Out Bound Marine Corp.
Address: 190.200 Seaboard Drive
Waukegan, IL

Job #: OSC-0050

Date: 2-7-05

I, Curtis Taylor, as a representative of Sevenson Environmental Services

certify that the work contained in the subject contract has been inspected and all punch list items have been completed. The contractor has fulfilled all his contractual obligations

C. Taylor
(Owners Representative Signature)

2/7/05
(Date)

[Signature]
(Project Manager)

2/7/05
(Date)

Vernon J. Jefferson Jr.
(Specialty Systems of Illinois, Inc. Representative)

2-7-05
(Date)

Feb-01-05 03:14P AnalyticalLab, Inc.

7088391338

P.01

ANALYTICALLAB

8270 ARCHER AVENUE
WILLOW SPRINGS, IL 60480
PH. 708-839-1338
FAX 708-839-6970
WWW.ANALYTICALLAB.COM

1/27 & 1/28

Phase Contrast Microscopy**Test Report**

Report No: 20727

Report Date: 2/1/05

Received Analyzed

Number of Samples:

14 14

Date Received: 2/1/05

Turn Around: FL

Client Contact: Rick Hughes

Date Analyzed: 2/1/05

Client Project: 05C-0050

Client: SSI

Faxed Date: 2/1/05

Client Location: Former Outboard Marine Corp

183 West 162nd Street

South Holland, IL 60473

Field No	Lab No	Volume(L)	Fibers	Fields	Fibers/mm2	Results Fibers/cc	Comments
1	171435	80	5.0	100	<7.0	< 0.048	
2	171436	370	8.0	100	10.18	0.011	
3	171437	333	33.5	100	42.68	0.049	
4	171438	1440	18.0	100	22.83	0.006	
5	171439	1110	8.0	100	10.19	0.004	
6	171440	1280	36.0	100	45.86	0.014	
7	171441	1020	47.0	100	59.87	0.023	
8	171442	80	3.0	100	<7.0	< 0.048	
9	171443	380	46.0	100	58.60	0.059	
10	171444	288	68.0	100	88.62	0.125	
11	171445	1440	54.0	100	68.79	0.018	
12	171446	900	100.0	82	155.38	0.065	
13	171447	1350	100.0	88	143.13	0.041	
14	171448	840	53.0	100	67.52	0.031	

Feb-03-05 01:39P AnalyticalLab, Inc.

7088391338

P.01

ANALYTICALAB

8270 ARCHER AVENUE
WILLOW SPRINGS, IL 60480
PH. 708-839-1338
FAX 708-839-6970
WWW.ANALYTICALAB.COM

1/31/05

Phase Contrast Microscopy**Test Report**

Report No: 20746

Report Date: 2/3/05

Received Analyzed

Number of Samples: 7 7

Data Received: 2/2/05

Turn Around: RQ

Client Contact: Rick Hughes

Date Analyzed: 2/3/05

Client Project: 05C-0050

Client: SSI

Faxed Date: 2/3/05

Client Location: Former Outboard Marine Corp.

183 West 182nd Street

South Holland, IL 60473

Field No	Lab No	Volume(L)	Fibers	Fields	Fibers/mm ²	Results Fibers/cc	Comments
15	171603	60	2.0	100	<7.0	< 0.045	
16	171604	400	93.0	100	118.47	0.114	
17	171605	360	5.0	100	<7.0	< 0.007	
18	171606	1380	100.0	73	174.50	0.049	
19	171607	1140	38.0	100	48.41	0.016	
20	171608	1320	100.0	92	138.47	0.040	
21	171609	990	10.0	100	12.74	0.005	

Comments:

Method: NIOSH 7400, Issue 2, 8/15/94 using Phase Contrast Microscopy at 400 magnification

It is AnalyticalLab's policy to dispose of samples after forty-five (45) days. However, the client may request samples to be returned prior to the disposal date.

Unless otherwise noted, samples were received in an acceptable condition. All results are blank subtracted if blanks were provided.

Results are strictly limited to samples analyzed. Concentration calculated using air volume data supplied by client.

Phillip G. Pekron
Laboratory Director: Phillip G. Pekron, CIR, CSP

Julie Beeson
Analyst: Julie Beeson

APPENDIX K

TOPOGRAPHIC DRAWING OF THE FINAL COVER ELEVATIONS

WAUKEGAN MANUFACTURED GAS AND COKE PLANT SITE RECORD ASBUILTS OF FINAL SURVEY



APPENDIX L

COPIES OF ILLINOIS MANIFESTS FOR CATEGORY 2 SOILS

Colmac

Resources, Inc.

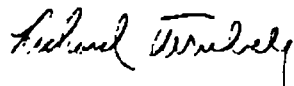
February 13, 2006

CERTIFICATE OF DESTRUCTION COLMAC RESOURCES, INC. SUNNYSIDE POWER PLANT SUNNYSIDE, UTAH

Colmac Resources, Inc. certifies that all processable materials identified below were received by the Sunnyside Power Plant and destroyed by co-burning in the Sunnyside Power Plant boiler.

Generator:	Sevenson Environmental Waukegan, Illinois
Material:	Coal Tar Soil
Received:	February 22, 28, 2005 March 1, 3, 7, 8, 15, 2005 May 9, 10, 11, 12, 18, 2005
Quantity Received:	2,514.89 tons
Destruction Completed:	May 25, 2005

Colmac Resources, Inc.



Richard Turnbull
General Manager

Resources, Inc.

February 14, 2006

CERTIFICATE OF DESTRUCTION COLMAC RESOURCES, INC. PINEY CREEK POWER PLANT CLARION, PENNSYLVANIA

Colmac Resources, Inc. certifies that all processable materials identified below were received by the Piney Creek Power Plant and destroyed by co-burning in the Piney Creek Power Plant boiler.

Generator:	Sevenson Environmental Waukegan, Illinois
Material:	Coal Tar Soil
Received:	December 8, 9, 10, 13, 14, 15, 16, & 17, 2004
Quantity Received:	2,093.04 tons
Destruction Completed:	February 2, 2005

Colmac Resources, Inc.



Richard Turnbull
General Manager

8337 Ingleton Circle, Easton, Maryland 21601, Tel. (410) 820-9836 Fax. (410) 820-9837

APPENDIX M

LIQUID DISPOSAL MANIFESTS



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 6-89)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD980993570	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address WAUKEGAN COKE SITE 8615 WEST BRYN MAWR AVE CHICAGO IL 60631		Location If Different WAUKEGAN COKE PLANT 200 BLOCK SEA HORSE DR WAUKEGAN IL 60085		A. Illinois Manifest Document Number IL 11756117 FEE PAID IF APPLICABLE	
4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS*		(847) 336-6552		B. Generator's IL ID Number 109711910101417	
5. Transporter 1 Company Name BEAVER OIL CO., INC.		6. US EPA ID Number ILD064418353		C. Transporter's ID Number UPM0309608IL	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (708) 354-4040	
9. Designated Facility Name and Site Address BEAVER OIL CO., INC. 6037 LENZI AVENUE HODGKINS, IL 60525		10. US EPA ID Number ILD064418353		E. Transporter's ID Number	
				F. Transporter's Phone ()	
				G. Facility's IL ID Number 9341269991	
				H. Facility's Phone 708 854-4040	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NOT D.O.T. REGULATED USED OIL/WATER					
b.					
c.					
d.					
J. Additional Description for Materials Listed Above ITEM A HAS A FLASHPOINT ABOVE 200 DEGREES F. EPA CLASSIFICATION FOR ITEM A IS NON-HAZARDOUS		K. Handling Codes for Wastes Listed Above in Item #14 G=Gallons			
15. Special Handling Instructions and Additional Information SEVENSON ENVIRONMENTAL SERVICES 24 HOUR EMERGENCY PHONE NO: (708) 354-4040		CL3S264BJ01 RETURN MANIFEST TO: ATTN TIM			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Timbo/CD on behalf of Jeffrey S. Defenits /Tulso/CD		Signature [Signature]		Date Month Day Year 07/21/05	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Michael Barzatta		Signature [Signature]		Date Month Day Year 07/21/05	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Date Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Wagoner		Signature [Signature]		Date Month Day Year 07/21/05	

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

In case of a spill call the Illinois Office of Emergency Response at 217/782-7860 and the National Response Center at 800/424-8802 or 202/426-2675.



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 6-89)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD980993570	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address WAUKEGAN COKE SITE 8615 WEST BRYN MAWR AVE CHICAGO IL 60631-7501		Location If Different WAUKEGAN COKE PLANT 200 BLOCK SEA HORSE DR WAUKEGAN IL 60085 (847) 336-6552		A. Illinois Manifest Document Number IL 11756078 FEE PAID IF APPLICABLE	
4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS*		6. US EPA ID Number ILD064418353		B. Generator's IL ID Number 0191711910101417	
5. Transporter 1 Company Name BEAVER OIL CO., INC.		7. Transporter 2 Company Name		C. Transporter's ID Number UPM0309608IL	
9. Designated Facility Name and Site Address BEAVER OIL CO., INC. 6037 LENZI AVENUE HODGKINS, IL 60525		10. US EPA ID Number ILD064418353		D. Transporter's Phone (708) 354-4040	
				E. Transporter's ID Number	
				F. Transporter's Phone ()	
				G. Facility's IL ID Number 03111260001	
				H. Facility's Phone 708 354-4040	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity	14. Unit Wt/Vol
a. NOT D.O.T. REGULATED USED OIL/WATER		CO. TT 1000 B			
b.					EPA HW Number X X X X X X
c.					EPA HW Number
d.					EPA HW Number
J. Additional Description for Materials Listed Above ITEM A HAS A FLASHPOINT ABOVE 200 DEGREES F. EPA CLASSIFICATION FOR ITEM A IS NON-HAZARDOUS		K. Handling Codes for Wastes Listed Above In Item #14			
15. Special Handling Instructions and Additional Information SEVENSON ENVIRONMENTAL SERVICES 24 HOUR EMERGENCY PHONE NO: (708) 354-4040		CL3S264BJ01			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Tim Luo		Signature Tim Luo		Date 7/1/80	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name D. Lopez		Signature D. Lopez	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
19. Discrepancy Indication Space		RECEIVED OCT 17 2005 CRA INC CHICAGO			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Printed/Typed Name J. Wagner		Signature J. Wagner	
				Date 07/1/80	

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

In case of a spill call the Illinois Office of Emergency Response at 217/782-7860 and the National Response Center at 800/424-8802 or 202/426-2675.

APPENDIX N

PHOTO LOG



Clear and grub excavation area



Initiate soil excavation activities at Southern edge of Site

SITE PHOTOGRAPH (1,2)
WAUKEGAN MANUFACTURED GAS AND COKE SITE
Waukegan, Illinois



Initiate access road construction



Initiate shipment of truckloads of Category 1 soils to Colmac in Pennsylvania

SITE PHOTOGRAPH (3,4)
WAUKEGAN MANUFACTURED GAS AND COKE SITE
Waukegan, Illinois



Pour concrete for decontamination pad



Initiate building demolition activities

SITE PHOTOGRAPH (7,8)
WAUKEGAN MANUFACTURED GAS AND COKE SITE
Waukegan, Illinois



Monitoring well abandonment activities



Trucks getting loaded to transport Category 2 soils to landfill

SITE PHOTOGRAPH (9,10)
WAUKEGAN MANUFACTURED GAS AND COKE SITE
Waukegan, Illinois



IT Building asbestos removal activities preparation



Trucks getting loaded to transport Category 2 DSS soils to landfill

SITE PHOTOGRAPH (11,12)
WAUKEGAN MANUFACTURED GAS AND COKE SITE
Waukegan, Illinois



Breaking concrete debris in preparation to ship off-Site



Demolition of IT Building

SITE PHOTOGRAPH (13,14)
WAUKEGAN MANUFACTURED GAS AND COKE SITE
Waukegan, Illinois



Demolition of small office building begins



Preparation of area for water treatment plant assembly

SITE PHOTOGRAPH (15,16)
WAUKEGAN MANUFACTURED GAS AND COKE SITE
Waukegan, Illinois



Import and place granular materials to backfill excavation in BRP parking lot



Assembly of water treatment plant begins

SITE PHOTOGRAPH (17,18)
WAUKEGAN MANUFACTURED GAS AND COKE SITE
Waukegan, Illinois



Begin over-excavation of sidewall sample failures



Initiate backfilling of excavations below the water table

SITE PHOTOGRAPH (19,20)
WAUKEGAN MANUFACTURED GAS AND COKE SITE
Waukegan, Illinois



Initial backfilling of excavations above the water table with on-Site Borrow Soils

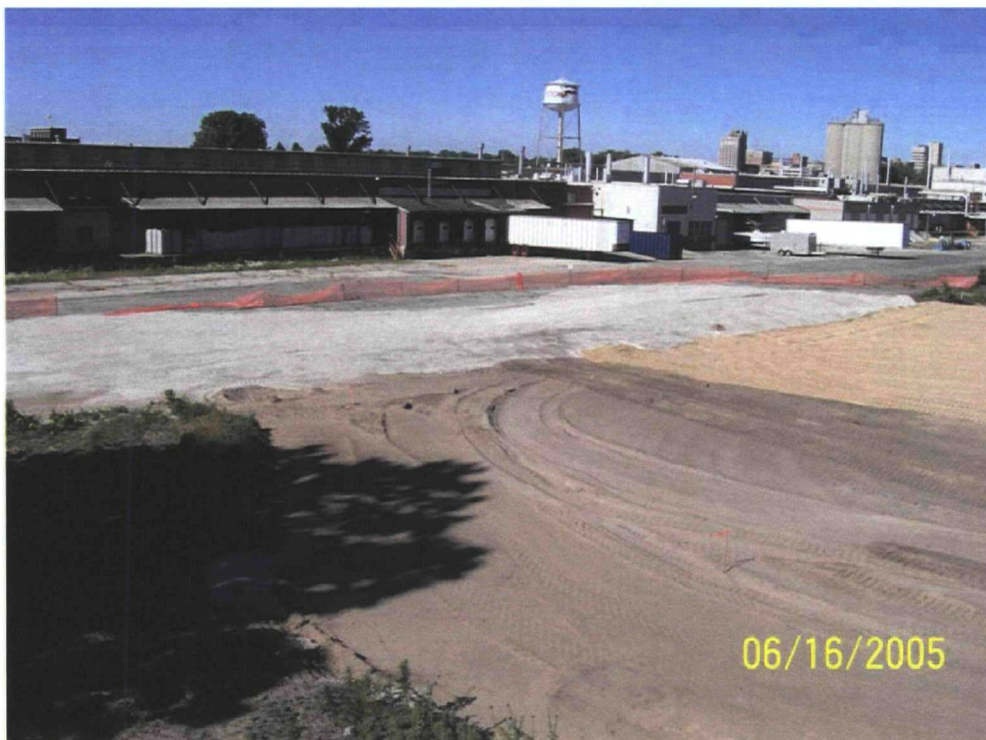


Compaction of placed OSB soils

SITE PHOTOGRAPH (21,22)
WAUKEGAN MANUFACTURED GAS AND COKE SITE
Waukegan, Illinois



Exposed end of process vessel



Placing imported sand above OSB soils

SITE PHOTOGRAPH (23,24)
WAUKEGAN MANUFACTURED GAS AND COKE SITE
Waukegan, Illinois



Placing asphalt in the BRP parking lot



Grading placed topsoil to Site contours

SITE PHOTOGRAPH (25,26)
WAUKEGAN MANUFACTURED GAS AND COKE SITE
Waukegan, Illinois



Demobilize office trailers



Reshape OSB pile to final contours

SITE PHOTOGRAPH (27,28)
WAUKEGAN MANUFACTURED GAS AND COKE SITE
Waukegan, Illinois



New fencing installed

SITE PHOTOGRAPH (27)
WAUKEGAN MANUFACTURED GAS AND COKE SITE
Waukegan, Illinois



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

MAR 1 1 2009

REPLY TO THE ATTENTION OF
SR-6J

Mr. Jerome Maynard
Dykema Gossett, PLLC
10 S. Wacker Drive, Suite 2300
Chicago, IL 60606

Mr. Stephen H. Armstrong
Ungaretti & Harris LLP
3500 Three First National Plaza
Chicago, IL 60602

Re: Approval – Soils Construction Completion Report
Waukegan Coke Plant Site, Waukegan, IL

Dear Messrs. Maynard and Armstrong:

The United States Environmental Protection Agency (U.S. EPA), in consultation with the Illinois Environmental Protection Agency (IL EPA), has reviewed the draft Soils Construction Completion Report (CCR), dated September 2006, that was prepared by Conestoga-Rovers & Associates (CRA) for the Waukegan Coke Plant site, Waukegan, Illinois. In accordance with Section XI, Paragraph 36, and Section XIV, Paragraph 49, of the Remedial Action (RA) Consent Decree, (*Civil Action No. 04C 5172*), U.S. EPA approves the CCR and certifies completion of the Soils RA.

Please note that we do not consider the three-year delay between receipt of the revised CCR and our approval of the CCR to be the fault of the Settling Defendants. U.S. EPA delayed the approval of the CCR until we could review and approve the City of Waukegan's Soil Management Plan (SMP), since production of the SMP is a requirement of the Soils RA. The City submitted the final SMP on March 16, 2009, and we have now approved the document.

The Soil Operation and Maintenance Escrow Account should now be funded by the Performing Settling Defendants.

Thank you for your attention to this matter.

Sincerely,

Thomas Short, Chief
Remedial Response Branch #2